Documents responsive to request:

- All records relating to self-inspection, dills/exercises, and response training under 40 CFR § 112.20(h)(8) from December 1, 2010 to June 30, 2016

1.8 Self-Inspection, Drills/Exercises, and Response Training

1.8.1 Facility Self-Inspection

The refinery has an inspection program for testing and inspecting tanks, piping, and process vessels. The records of all inspections for tanks lines and process vessels, except for pressure testing, are kept in the Inspection Department's files. The line pressure testing and routine monthly external tank inspections are formally kept in the Oil Movement's files. Monthly and quarterly inspection records are maintained for five years, and API 653 inspection records are kept indefinitely and can be accessed as needed during normal refinery business hours. These standards are written in accordance with both national and industry standards such as API 653 and others.

The checklists used for the inspections of tanks lines and secondary containment is included in the documents stated above. The checklist for inspection of response equipment is incorporated into the inventory form. Monthly inspection records are kept for five (5) years, while detailed inspection records for life of the structure.

1.8.1.1. Tank Inspection

Storage tanks are inspected on a monthly basis by the Oil Movement Division. These inspections are conducted in accordance with API 653 and examine the conditions of the tanks shell, its foundation, floating roof, accuracy of the gauge. Any dike deficiencies in the secondary containment (erosion etc.) would also be noted at this time.

Due to the volume of inspection documentation required at a facility of this size, the actual records of the inspections will not be included in this response plan.

Routine inspection of the secondary containment structures is conducted at varying frequencies depending on the amount of precipitation and whether secondary containment structure drains directly to the a process sewer, has manually operated valves, or no drain valves at all.
Because all of the dike structures at the refinery also serve as roads, the general condition of the dike structure is observed daily. Positions of drain valves (Open or Closed) are inspected on a weekly basis in accordance with Standard Operating Instructions. Dikes are also observed during the monthly tank inspections. Whenever tanks are undergoing cleaning, internal inspection, or rehabilitation, the condition of the secondary containment is assessed and modifications made at that time.

No specific logs of the conditions of the dikes or standing water in the dikes are kept from the routine weekly inspections or daily drive through in the normal course of business. Dikes are inspected as part of the monthly tank inspection and those records are with the tank inspection itself.

1.8.1 Facility Self-Inspection (Cont'd)

1.8.1.1. Tank Inspection Log Sample (Cont'd)

Inspector_____Date _____

The tank inspection checklist presented below has been included as guidance during inspections and monitoring. Similar requirements exist in 40 CFR part 112, subparts A through C. Duplicate information from the SPCC Plan may be photocopied and inserted in this section. This inspection checklist consists of the following items:

Tank Inspection Checklist		
1. Check tanks for leaks, specifically looking for: A. drip marks; B. discoloration of tanks; C. puddles containing spilled or leaked material; D. corrosion; E. cracks; and F. F. localized dead vegetation	2. Check foundation for: A. cracks; B. discoloration; C. puddles containing spilled or leaked material; D. settling; E. gaps between tank and foundation; and F. damage caused by vegetation roots.	3. Check piping for: A. droplets of stored material; B. discoloration; C. corrosion; D. bowing of pipe between supports; E. evidence of stored material seepage from valves or seals; and F. localized dead vegetation.

Tank/Container ID	Inspected (Y/N)	Observations/Comments
Additional Comments/ Observations:		

Records of the monthly inspections are signed by the appropriate supervisor or inspector, and are retained at the Facility. These records are maintained by the Oil Movement Division (OMD), Asphalt Department, and Environmental Department. The inspections are documented on ground level in-service and top-level in service tank inspection forms. Current versions of these blank forms are maintained on the OMD intranet site.

1.8.1 Facility Self-Inspection (Cont"d)

TANK SCHEDULE

ASPHALT - Tank Inspection Event Schedule

Wheeling Refinery

Supervisor / Inspector:

(sorted by; UNIT ID, then EQUIP ID)

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	Last Insp. Done	Next Insp. Due	Schedule Date (varianced?)	Schedule Notes
MARINE DOCK	TK-3571	Black Oil	In Service	API 653	External	09/02/2009	09/02/2014		
MARINE DOCK	TK-3571	Black Oil	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
MARINE DOCK	TK-3572	Black Oil	In Service	API 653	External	09/02/2009	09/02/2014		
MARINE DOCK	TK-3572	Black Oil	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
STIGLITZ PK.	TK-3609	Fcu Feed/ Asphalt	In Service	API 653	Internal	09/30/1993	09/30/2013		
ASPHALT	TK-6127	Coker Feed Tank	In Service	API 653	Internal	01/01/2001	01/01/2011		

LAKEFRONT - Tank Inspection Event Schedule

(sorted by; UNIT ID, then EQUIP ID)

Supervisor / Inspector:

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	Last Insp. Done	Next Insp. Due	Schedule Date (variianced?)	Schedule Notes
BUFFALO SIDE	TK-5050	Equalization	In Service	API 653	Internal	07/10/2003	12/31/2012		
BUFFALO SIDE	TK-5051	Equalization	In Service	API 653	Internal	03/31/1994	03/31/2014	07/31/2014	Orig due 3/2014. Deferred at first to
2 WATER STATION	TK-5052		In Service	API 653	External	12/31/2009	12/31/2014		
2 WATER STATION	TK-5052		In Service	API 653	Thickness-Routine	12/31/2009	12/31/2014		

OIL MOVEMENTS - Tank Inspection Event Schedule

Whiting Refinery

Supervisor / Inspector:

(sorted by; UNIT ID, then EQUIP ID)

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	Last Insp. Done	Next Insp. Due	Schedule Date (variianced?)	Schedule Notes
CRUDE STATION	TK-3228	Decanted Oil - Riveted	In Service	API 653	External	11/09/2009	11/09/2014		
CRUDE STATION	TK-3228	Decanted Oil - Riveted	In Service	API 653	Internal	04/30/1994	04/30/2014		
CRUDE STATION	TK-3228	Decanted Oil - Riveted	In Service	API 653	Thickness-Routine	11/09/2009	11/09/2014		
BERRY LAKE	TK-3464	Decanted Oil	In Service	API 653	External	06/06/2009	06/06/2014		
BERRY LAKE	TK-3464	Decanted Oil	In Service	API 653	Internal	01/31/1992	01/31/2012	03/31/2012	
BERRY LAKE	TK-3464	Decanted Oil	In Service	API 653	Thickness-Routine	06/06/2009	06/06/2014		
SO. TK FLD	TK-3475	Naptha	In Service	API 653	External	09/02/2009	09/02/2014		
SO. TK FLD	TK-3475	Naptha	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
SO. TK FLD	TK-3480	Heavy Ultraformate	In Service	API 653	External	12/02/2009	12/02/2014		
SO. TK FLD	TK-3480	Heavy Ultraformate	In Service	API 653	Thickness-Routine	12/02/2009	12/02/2014		
SO. TK FLD	TK-3482	Rv Slop	In Service	API 653	Internal	02/10/2004	02/10/2014	02/01/2014	
SO. TK FLD	TK-3484	Alkylate - Riveted	In Service	API 653	External	05/04/2009	05/04/2014		
SO. TK FLD	TK-3484	Alkylate - Riveted	In Service	API 653	Thickness-Routine	05/04/2009	05/04/2014		
SO. TK FLD	TK-3487	Shn	In Service	API 653	Internal	08/14/2004	08/14/2014		
SO. TK FLD	TK-3498	Amoco Premier Diesel [Future	In Service	API 653	Internal	07/31/1994	07/31/2014		
SO. TK FLD	TK-3513	Amoco Ultimate	In Service	API 653	Internal	08/31/1992	08/31/2012		
SO. TK FLD	TK-3525	Amoco Gasoline	In Service	API 653	External	09/02/2009	09/02/2014		
SO. TK FLD	TK-3525	Amoco Gasoline	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
SO. TK FLD	TK-3533A	Water/Hydrocarbon	In Service	API 653	Internal	11/18/2004	11/30/2014		
SO. TK FLD	TK-3554	Amoco Ultimate	In Service	API 653	Internal	06/01/2004	06/01/2014	06/01/2014	Due to corrosion rates of unprotected bottom,
STIGLITZ PK.	TK-3600	Decant Water Draw	In Service	API 653	External	09/02/2009	09/02/2014		
STIGLITZ PK.	TK-3600	Decant Water Draw	In Service	API 653	Infrared Scan	03/27/2014	09/27/2014		
STIGLITZ PK.	TK-3600	Decant Water Draw	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
LAKE GEORGE	TK-3622	Dirty Gas Oil	In Service	API 653	Infrared Scan	04/03/2014	07/03/2014		
LAKE GEORGE	TK-3624	Dirty Gas Oil - Riveted	In Service	API 653	External	09/02/2009	09/02/2014		
LAKE GEORGE	TK-3624	Dirty Gas Oil - Riveted	In Service	API 653	Infrared Scan	04/03/2014	07/03/2014		
LAKE GEORGE	TK-3624	Dirty Gas Oil - Riveted	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
IND. TK FLD.	TK-3704	Gasoline Slop - Riveted	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3704	Gasoline Slop - Riveted	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		

OIL MOVEMENTS - Tank Inspection Event Schedule

(sorted by; UNIT ID, then EQUIP ID)

Wyoming Refinery

Supervisor / Inspector:

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	Last Insp. Done	Next Insp. Due	Schedule Date (variance?)	Schedule Notes
IND. TK FLD.	TK-3712	Lcco - Riveted	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3712	Lcco - Riveted	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3714	Distillate/Gas Oil	In Service	API 653	External	06/06/2009	06/06/2014		
IND. TK FLD.	TK-3714	Distillate/Gas Oil	In Service	API 653	Thickness-Routine	06/06/2009	06/06/2014		
IND. TK FLD.	TK-3715	Swing Distillate/Hv n	In Service	API 653	External	11/05/2009	11/05/2014		
IND. TK FLD.	TK-3715	Swing Distillate/Hv n	In Service	API 653	Thickness-Routine	11/05/2009	11/05/2014		
IND. TK FLD.	TK-3716	Swing Distillate/Hv n	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3716	Swing Distillate/Hv n	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3717	Fcu Feed Mixed - Riveted	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3717	Fcu Feed Mixed - Riveted	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3718A	Water/Hydrocarbon	In Service	Non-API Tank	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3718A	Water/Hydrocarbon	In Service	Non-API Tank	Internal	01/31/1993	01/31/2014		
IND. TK FLD.	TK-3718A	Water/Hydrocarbon	In Service	Non-API Tank	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3720	Gas Oil - Riveted	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3720	Gas Oil - Riveted	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3721	Gas Oil - Riveted	In Service	API 653	Internal	03/24/2003	03/24/2013	07/31/2016	Deferral 2013-008 was approved moving the
IND. TK FLD.	TK-3730	Ethanol	In Service	API 653	External	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3730	Ethanol	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
IND. TK FLD.	TK-3733	Cru / Bou Distillate Feed	In Service	API 653	Internal	10/31/2004	10/31/2014		
IND. TK FLD.	TK-3735	Cru / Bou Distillate Feed	In Service	API 653	Internal	10/26/2004	10/26/2014		
J&L TK FLD.	TK-3905	Amoco Silver	In Service	API 653	External	09/01/2009	09/01/2014		
J&L TK FLD.	TK-3905	Amoco Silver	In Service	API 653	Thickness-Routine	09/01/2009	09/01/2014		
J&L TK FLD.	TK-3910	Furnace Oil [Hs]	In Service	API 653	Internal	04/30/1993	04/30/2013		
J&L TK FLD.	TK-3915	Hs Lloyd Crude & Slop	In Service	API 653	Infrared Scan	03/29/2014	09/29/2014		
J&L TK FLD.	TK-3916	Hs Lloyd Crude	In Service	API 653	Infrared Scan	03/29/2014	09/29/2014		
J&L TK FLD.	TK-3916	Hs Lloyd Crude	In Service	API 653	Internal	02/28/2004	02/28/2014		
J&L TK FLD.	TK-3917	Ls Domestic Crude	In Service	API 653	Infrared Scan	03/29/2014	09/29/2014		
J&L TK FLD.	TK-3918	Hs [Whm-C] Crude	In Service	API 653	External	09/02/2009	09/02/2014		
J&L TK FLD.	TK-3918	Hs [Whm-C] Crude	In Service	API 653	Infrared Scan	03/31/2014	09/30/2014		

OIL MOVEMENTS - Tank Inspection Event Schedule

Whiting Refinery

Supervisor / Inspector:

(sorted by; UNIT ID, then EQUIP ID)

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	Last Insp. Done	Next Insp. Due	Schedule Date (variianced?)	Schedule Notes
J&L TK FLD.	TK-3918	Hs [Whm-C] Crude	In Service	API 653	Thickness-Routine	09/02/2009	09/02/2014		
J&L TK FLD.	TK-3919	Ls Domestic Crude	In Service	API 653	Infrared Scan	03/29/2014	09/29/2014		
J&L TK FLD.	TK-3920	Hs [Whm-C] Crude	In Service	API 653	Infrared Scan	03/29/2014	09/29/2014		

Z-PRACTICE UNIT- Tank Inspection Event Schedule

(sorted by; URRT10, then EQUIP ID)

Supervisor 1 Inspector:

Area ID	Equipment ID	Description	Status	Governing Code	Type of Inspection	last Insp. Done	Next Insp. Due	Schedule Date (varianeed?)	Schedule Notes
SO TK FLD	TK-3475	Naptha	In Service	API653	External	09/02/2009	09/02!2014		
SO TK FLD	TK-3475	Naptha	In Service	API653	Thickness-Routine	09/02/2009	09/02!2014		

1.8.1 Facility Self-Inspection (Cont"d)

TANK3510 HISTORY

Equip Group: Tanks
Equipment ID: TK-3510

'22/2013
External & Thickness
Inspector: Banicki, M.R.

Event Headline:

Event Status: Approved

Notes: I.Tank Data/Introduction

Tank 3510, 120' diameter x 50'-2", is of welded construction, built in 1949. An external inspection was performed in May 2013 with the following conditions noted.

II.Inspection Findings

A.Foundation

The concrete ring which sits 6" above grade is in serviceable condition. Tight transverse cracking with no uneven settlement was noted. The grout and caulk seal is in serviceable condition.

B.Shell

The welded shell with paint is in serviceable condition. Moderate distortion was noted on the top course. Ultrasonic thickness readings taken on the shell along the spiral stairway are as follows.

Original Shell Course	Average Nominal Thickness	Present Thickness	M.A.T. S.G. - 1.0	Average Fill Height	Corrosion Rate/Year
1	.88"	.91"	.77"	Full	Negligible
2	.72"	.74"	.64"	Full	Negligible
3	.60"	.63"	.48"	Full	Negligible
4	.48"	.49"	.38"	Full	Negligible
5	.36"	.33"	.29"	Full	Less than .001"/year
6	.25"	.20"	.19"	Full	Less than .001"/year
7	.25"	.23"	.10"	Full	Less than .001"/year

C.Low Pitch Cone Roof

The low pitch cone roof is serviceable with above average distortion noted. The paint is in good condition. The roof hammer tested sound with an average thickness of .21".

D.Nozzles/Appurtenances

Thickness readings were taken on all available nozzles. Thickness reading data and nozzle orientation is available in the inspection file. The spiral stairway with hand rail is painted and in serviceable condition. The roof's angle iron safety rail is in good condition. The S&J mechanical fill height gage was bump tested and appears in serviceable condition. The emergency egress ladder has been cut 10' above grade. Ground cables are attached. The nameplate is attached and legible. The vents at the top of the shell appear clear.

III.Recommendations

A.Renew the seal between the bottom extension and concrete ring.

IV.Summary

A.The next external inspection is due 5-2018.
B.The tank is out of service and manways are open for TAR.C.
C.The fill height until the next external inspection is full.

This inspection was performed to API 653, Third Edition.

02/2008
External & Thickness
Inspector: Lemon, T.L.

Event Headline:

Event Status: Closed

Notes: I.Tank Data/Introduction

Tank 3510, 120' diameter x 50'-2", is of welded construction, built in 1949. An external inspection was performed in June 2008 with the following conditions noted.

II.Inspection Findings

A.Foundation

The concrete ring which sits 6" above grade is in serviceable condition. Tight transverse cracking with no uneven settlement was noted. The grout and caulk seal is in serviceable condition.

B.Shell

The welded shell with paint is in serviceable condition. Moderate distortion was noted on the top course. Ultrasonic thickness readings taken on the shell along the spiral stairway are as follows.

Original Shell Course	Average Nominal Thickness	Present Thickness	M.A.T. S.G. - 1.0	Average Fill Height	Corrosion Rate/Year
1	.88"	.91"	.77"	Full	Negligible
2	.72"	.77"	.64"	Full	Negligible
3	.60"	.67"	.48"	Full	Negligible
4	.48"	.53"	.38"	Full	Negligible
5	.36"	.36"	.29"	Full	Negligible
6	.25"	.24"	.19"	Full	Negligible
7	.25"	.26"	.10"	Full	Negligible

C.Low Pitch Cone Roof

The low pitch cone roof is serviceable with above average distortion noted. The paint is in good condition. The roof hammer tested sound with an average thickness of .23".

D.Nozzles/Appurtenances

All available nozzles were D-Metered. Thickness readings data and orientation is available in the inspection file. The following appurtenances were inspected. The spiral stairway with hand rail and paint is serviceable. The roof angle iron safety rain is in good condition. The S&J mechanical fill height gage is serviceable showing a fill height of 7'-10". The emergency egress ladder has been cut 10' above grade.

III.Summary

A.The next external inspection is due 6-2013.
B.The next internal inspection is due 6-2012.
C.The fill height until the next external inspection is full.

This inspection was performed to API 653, Third Edition.

06/07/2003
External & Thickness
Inspector: Jurek, S.A.

Event Headline:

Event Status: Closed

Notes: I.Tank Data/Introduction

Tank 3510, 120' diameter x 50'-2", is of welded construction, built in 1949. On June 3, 2003, an external inspection was performed and the following conditions noted.

II.External Inspection

A.Foundation

The concrete ring which measures 6" above grade at the north quadrant and 4" at the south, is in serviceable condition with only tight transverse cracks and no uneven settling noted. The chime, including caulk and grout, is serviceable.

B.Shell

General condition of the uninsulated shell, including paint, is serviceable. Some minor to moderate distortion was noted at the upper shell course. Thickness readings were obtained on all courses from

the spiral stairway and averages recorded below.

Original Shell Course	Average Nominal Thickness	Present Thickness	*M.A.T. S.G. - 1.0	Average Fill Height	Corrosion Rate/Year
1	.88"	.90"	.77"	Full	Negligible
2	.72"	.75"	.64"	Full	Negligible
3	.60"	.64"	.48"	Full	Negligible
4	.48"	.48"	.38"	Full	Negligible
5	.36"	.33"	.29"	Full	Negligible
6	.25"	.21"	.19"	Full	1 Mil/Yr
7	.25"	.23"	.10"	Full	1 Mil/Yr

*Specific gravity for water 1.0 used

C.Low Pitch Cone Roof

The low pitch cone roof is serviceable with only average distortion and no areas that would hold water. Paint is serviceable. Roof hammer tested sound and
D-Metered .16" to .22".

D.Nozzles/Appurtenances

All available nozzles were D-Metered and determined serviceable. Thickness readings and nozzle orientations are available in the inspection file. The following appurtenances were inspected and determined serviceable. Emergency egress ladder, roof vents and overflow vents including bird screening, spiral stairway, thief hatch, roof access hatch, ground cables, pipe type roof safety railing, and the S&J auto gage which was reading 3'-9" at the time of this inspection.

III.Summary

A.The next external inspection is due 6-2008.
B.The next internal inspection is due 6-2012.
C.The fill height until the next external inspection is full.

This inspection was performed to API 653, Third Edition.

06/17/2002 Event Headline: Event Status: Approved

Internal

Inspector: Lemon, T.L.

Notes: I.Tank Data/Introduction

Tank 3510, 120' diameter x 50'-2", is of welded construction, built in 1949 by GATX. In 1992, 23 patches were installed on the bottom due to product side corrosion. The IFR seal was renewed in 1992 using a 10" octagon foam log. Approximately 5% of the bottom was MFE inspected with no soil side corrosion noted. In June 2002, this tank was removed from service due to a failed IFR seal. A complete internal inspection was performed including 100% MFE. During this down time, the following conditions were noted.

II.Inspection Findings

A.Bottom Visual

A visual inspection of the bottom revealed isolated severe topside pitting with topside holes. A total of 495 topside pits were found to be .10" and deeper. Of these, 36 were located in the critical zone. The bottom has general topside pitting and corrosion ranging between .030" to .060" throughout. Bottom weld seam corrosion, totaling 10 feet was also noted visually. The sump has topside pitting and corrosion to 1/16", welds are in good condition (sump was pulled during repairs, soil side pitting and corrosion to 1/8" noted).

There are no bearing plates under the cone roof support columns. The IFR support column striker pad welds are in poor condition with lack of fusion and holes in the welds noted. There are no bearing pads under the internal projection inlet and suction piping. Externally the bottom extension is knife edged and in several locations does not meet the code requirements. The bottom extension seal was severely deteriorated and is no longer serviceable.

B.Bottom UT Data

An MFE inspection was performed by TCI on approximately 97% of the tank bottom looking for soil side corrosion. Critical thresholds of .19" remaining on the inner bottom plates, .225" remaining on the sketch plates, and .235" remaining in the critical zone were established. A total of 172 areas of soil

side corrosion were flagged by the MFE and verified with ultrasonics. Of these, 30 areas were noted on the inner plates ranging from .17" to .19" remaining thickness. The remainder of the areas were noted on the sketch plates and in the critical zone ranging from .11" to .235".
A total of 13 sketch plates have corrosion in the critical zone that cannot be patched with tombstone type patches. These 13 sketch plates will have to be renewed. Random ultrasonic thickness readings were taken on the bottom. Average thickness on the inner bottom plates is .25". Average thickness on the sketch plates is .34". The sump averaged .40" on the sidewalls and .38" on the bottom.

C.Shell Internal

The lower 6" of the bottom course has pitting and corrosion to 1/16". The remainder of the shell, as viewed from the top of the IFR, has pitting and corrosion to 1/64". Tight brown scale to 1/64" was noted throughout on the shell. Average distortion was noted on the shell.

D.IFR Product Side

Product side of the IFR exhibits above average distortion. Lap seam separation is minimal. All Buna-N seal material around IFR appurtenances is deteriorated and needs to be renewed. Negligible pitting and corrosion was noted on IFR. The perimeter foam log seal has been removed and will be renewed. Access onto the IFR is through the 24" vacuum break. An engineering analysis performed on the vacuum break indicates that it is not sufficient for this tank.

E.IFR Tops ide

Negligible pitting and corrosion was noted. Dust ¼" to ½" noted on top of the IFR was dry vacuumed off. IFR support leg sleeves are straight and hammer tested sound. All pins and chains are intact on sleeves. The rim angle is straight and intact.

F.Cone Roof

The cone roof as viewed from the top of the IFR appears to be serviceable with no holes noted. Rafters are intact and straight. The cone roof 12" x 9" side to back support columns are straight.

III.Repairs Completed This TAR

A.Thirteen sketch plates were renewed in kind. These 13 sketch plates were through shell repairs. All welds were vacuum box tested. All
root passes were DMT tested, and the ID roof pass on the corner weld was diesel tested from the OD.
B.Nineteen tombstone type patches were installed on sketch plates in the critical zone. All root passes were DMT inspected, and the final welds
were vacuum box tested.
C.Thirty-seven patches of various sizes were installed on the bottom. All final welds were vacuum box tested.
D.A total of 484 topside pits were fill welded, ground flush, and vacuum box tested.
E.Sixteen ¼" bearing plates of various sizes were installed under the cone roof support columns. All final welds were vacuum box tested.
F.The deteriorated IFR support leg striker pad welds were repaired with full fillet welds. All final welds were vacuum box tested.
G.All Buna-N seal material was renewed on the IFR appurtenances.
H.Two new vacuum breaks were installed on the IFR.
I.The 24" original vacuum break was removed and a new 24" manway with repad was installed in its place on the IFR.
J.A new galvanized primary shoe seal and secondary wiper seal was installed on on the IFR.
K.A grout and caulk seal was applied at the bottom extension to concrete interface.

L.Three earth grounds were installed at 120 degrees apart.
M.The handrails on the cone roof were renewed.
N.10' of deteriorated lap weld seam was repaired on the bottom.
O.The bottom sump was renewed.
P.One-quarter inch bearing plates were installed under the internal projection inlet and outlet piping.
Q.This tank passed a full hydrostatic test.
R.After the hydro test, the tank bottom was coated with Phenicon High Solids using a low temp hardener. Two coats were applied totaling
15 to 17 mils dried thickness.

IV.Summary

A.The next external inspection is due 3-2003.
B.The tank repairs were made for a 20-year in service period. The next internal inspection is due 10-2022.

C.The fill height until the next external inspection is full.

This inspection and repairs were performed to API 653 and 650.

04/13/1998
External & Thickness
Inspector: Lemon, T.L.

Event Headline:

Event Status: Closed

Notes: I.Tank Data/Introduction

Tank 3510, 120' diameter x 50'-2", is of welded construction, built in 1949. The tank was externally inspected on March 27, 1998, and the following conditions noted.

II.External Inspection

A.Foundation

General condition of the concrete ring which measures 6" above grade at the north quadrant and 4" at the south, is serviceable with only tight transverse cracks and no uneven settling noted. The chine area of the tank is in very poor condition with much corrosion noted. What's left of the grout is funneling runoff water under the foundation, rather than away as intended. Much of the tank is shimmed with conical shims.

B.Shell

General condition of the welded shell, including paint, is serviceable having only average distortion. Thickness readings were obtained on all courses from the spiral stairway and averages recorded below.

Original Nominal Course	Average Present Thickness	*M.A.T. Thickness	Fill S.G. - 1.0	Average Corrosion Height	Rate/Year
1	.88"	.88"	.77"	Full	Negligible
2	.72"	.73"	.64"	Full	Negligible
3	.60"	.62"	.48"	Full	Negligible
4	.48"	.47"	.38"	Full	Negligible
5	.36"	.32"	.29"	Full	Negligible
6	.25"	.21"	.19"	Full	Negligible
7	.25"	.21"	.10"	Full	Negligible

*Specific gravity for water 1.0 used.

C.Low Pitch Cone Roof

The low pitch cone roof is serviceable, including paint, with only average distortion and no areas of standing water. Thickness readings taken randomly ranged from .18" to .21", and roof hammer tested sound.

D.Nozzles/Appurtenances

All available nozzles were D-Metered and determined serviceable. Thickness readings and nozzle orientations are available in the inspection file. The following appurtenances were inspected and determined serviceable.

Emergency egress ladder

Spiral stairway

24" x 24" roof access hatch

Thief hatch

Pipe type roof safety railing

Varec auto gage which was reading 8'-2".

The 24" roof vent/painters anchor D-Metered .28" and hammer tested sound.

III.Recommendations

Consider cleaning and caulking chine area to prevent water infiltration beneath the tank bottom.

IV.Summary

A.The next external inspection is due 3-2003.
B.The next internal inspection is due 6-2012.
C.Fill height until the next external inspection is full.
D.A settlement survey was performed on 3-30-98 and data used as a baseline.

This inspection was performed to API 653 (Second Edition) and AES 84C-83.

)3/31/1992
nternal
nspector: Unknown

Event Headline:

Event Status: Closed

Notes: REPORT NO. IR92-396

AMOCO OIL COMPANY
INSPECTION SERVICES DEPARTMENT
TECHNICAL SERVICES DIVISION
WHITING REFINERY

OIL MOVEMENT SOUTH
SOUTH TANK FIELD ANNEX - TANK 3510

This tank was originally constructed in 1949 and is currently in Amoco silver service. An internal inspection was performed on March 24, 1992 and the tank was returned to service on May 28, 1992. Inspection findings are as follows:
Foundation

The foundation has some minor spalling and cracking with the grout in poor condition (see attached pictures). There is an approx. 2' section where no foundation was installed exposing the sand fill , a 4" pipe, and the underside of the bottom (see attached pictures). Conical steel shims remain in place (see attached pictures). No settlement was noted. This tank is scheduled to be grouted in the summer.
Bottom

The bottom has tight scale to 1/16" throughout and gen ral pitting and corrosion to 1/16" throughout with isolated pitting to 0.14" in depth. All areas with pitting greater than 0.13" in depth were repaired by overlay patching and fill welding. Twenty-three patches were installed and three areas were fill welded. (See inspection records for exact locations.) All new welds were vacuum box tested and no leaks were found. The bottom was partially sandblasted (10%) to facilitate an MFE/B-scan inspection. The results of this inspection revealed an average corrosion rate of approx. .001"/year based on 43 years of service. A copy of automated NDE scans (performed by SGS) can be found in Inspection's file for this tank. Hammer testing of the bottom indicated some voids in the bottom near the periphery. There are two areas of the bottom which were previously patched.
Shell

The shell has pitting and corrosion to 1/32" throughout with isolated pitting to 1/16" in the first and second courses. All shell nozzles are welded to the repad, and the repad is welded to the inside cut of the shell. (This is per design criteria set forth in API 12-C, 1949) Externally, the shell has pitting and corrosion to 1/16" located by the foundation of the spiral stairway. This area was cleaned and an epoxy coating was applied to arrest any further corrosion. The piping and valve connection in the south manway cover were removed and the nozzle was blinded. A closed loop sample system was installed using 4 - 3/4" 150 lb. IWN nozzles. One 1" 150 lb. LWN nozzle was installed for a T.I. The water draw system was upgraded to a double valve with antifreeze protection and the existing shell nozzle with rivet heads (riveted repad) were seal welded on the inside of the shell. Two of the four sub-surface foam injection nozzles had new bolts installed where some were missing. The first step of the spiral stairway was reattached. The egress ladder is intact.

UT thickness obtained from the spiral stairway are as follows:

Nom.Reg. Thick.PresentFull
CourseThick.(S.G. .74)Thick.Height
1.88.63.84Full
2.72.53.76Full
3.60.43.64Full
4.48.34.49Full
5.36.25.33Full
6.25.16.21Full
7.25.10.25Full

There is no fill height restrictions, and the above readings indicate a negligible corrosion rate. The shell

paint is in serviceable condition.
Fixed Roof

The I. P. cone roof hammer tested sound with the average UT thickness at 0.20" with the lowest at 0.18". All dimples in roof have pitting and corrosion to 1/32". The paint is worn with all weld seams and low spots having a rust color. The combination vent and painters anchor hammer tested sound. All handrails are intact. The maintenance well neck has isolated internal pitting from 1/16" to 1/8". All columns (channels side/back) appear to be straight with no movement at the H-support stationary clips. All rafters and girders appear to be straight and in place. A new coupling was installed for future high level alarm system.
Internal Floating Roof

The internal floating roof hammer tested sound with the average UT reading 0.20". All roof leg pins had cotter pins installed, there were none before. The underside of the roof has negligible pitting and corrosion or scale buildup. The topside has loose scale and dust to 1/4" throughout. All Buna-n material around the columns were renewed. All negotiators and covers are in serviceable condition. This roof has a combination manway/automatic bleeder vent (24"0). The top half of the bleeder vent neck was removed to facilitate access to roof for seal work and then rewelded. The rim spacing is: N - 7", E - 6", S - 4 3/4", and W - 5". The seal was renewed using 10" octagon foam logs encased in a polyester based urethane fabric. The Shand and Jurs auto gage window is low on antifreeze. The static drains start from the topside and loops to the underside.

JHK/bas
June 24, 1992

Event History - OIL MOVEMENTS

Whiting Refinery

Equip Group: **Tanks**

Equipment ID: **TK-3510**

1.8.1 Facility Self-Inspection (Cont"d)

ISOM MONTHLY TANK INTEGIRTY

Wonderware
IntelaTrac **Completed Procedure Report**

Start Date/Time:	4/10/2014 11:43 PM	**On Demand:**	False
Completed Date/Time:	4/11/2014 12:46 AM	**In Progress:**	False
Trans. Date/Time:	4/11/2014 12:49 AM	**Completed By:**	Weathersby, Max (weatml)
Approved Date/Time:	4/12/2014 3:15 AM	**Approved By:**	McMurray, Thattus M (mcmurrtm)

CM - JOB2 - Monthly - ISOM & NSU Tank Integrity Checklist

Schedule- Monthly - 2nd Thur Nights

CM - JOB2 - Monthly - ISOM & NSU Tank Integrity Checklist

CM - JOB2 - Monthly - ISOM & NSU Tank Integrity Checklist

Task Group Status: 4/10/2014 11:43 PM

Guidelines

Do you want to read the guidelines Tank Inspections?

Task Group Status: No 4/10/2014 11:44 PM

! **Verify that storage tanks on the unit are in good operating conditions**

! **Verify that the tanks do not have any visible leaks**

! **Verify that the method of level indication is properly working**

! **Verify that the type of containment is in place**

! **Filling of tanks**

Message : Round Guidelines

During the filling of these tanks, as per D-18 of the Manual of Safety Policies an operator or the vendor must be present during fill of said vessels.

ISOM Tank Integrity Checklist

ISOM Tank Integrity Checklist

Task Group Status: 4/10/2014 11:44 PM

Tank 15 - BP Owned - Under K1 - Turbinol 32 - 500 Gallons - (Hydrocarbon) ISO2-TK

Tank 15 - BP Owned - Under K1 - Turbinol 32 - 500 Gallons - (Hydrocarbon) Tanks

Task Group Status: 4/10/2014 11:44 PM

✓ Tank 15 - BP Owned - Under K1 - Turbinol 32 - 500 Gallons - (Hydrocarbon) - OK			4/10/2014 11:46:55 PM	Weathersby, Max (weatml)
✓ Visible Level?	Yes	Vessel Normal	4/10/2014 11:59:00 PM	Weathersby, Max (weatml)
✓ Tank Leaking?	No	Vessel Normal	4/10/2014 11:59:11 PM	Weathersby, Max (weatml)
✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required")	Non - HC Service (No Containment Required)	Vessel Normal	4/11/2014 12:45:35 AM	Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

No : Vessel Normal
Yes : Vessel Warning

Notify OSF. Write note indicating locations

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal
None-No Secondary Containment : Vessel Normal

Tank 16 - BP Owned - Under K1 - Turbinol 68 - 500 Gallons - (Hydrocarbon) ISO2-TK

Tank 16 - BP Owned - Under K1 - Turbinol 68 - 500 Gallons - (Hydrocarbon) Tanks

Task Group Status: 4/10/2014 11:59 PM

✓ Tank 16 - BP Owned - Under K1 - Turbinol 68 - 500 Gallons - (Hydrocarbon) - OK			4/10/2014 11:59:12 PM	Weathersby, Max (weatml)
✓ Visible Level?	Yes	Vessel Normal	4/10/2014 11:59:26 PM	Weathersby, Max (weatml)
✓ Tank Leaking?	No	Vessel Normal	4/10/2014 11:59:34 PM	Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

No : Vessel Normal
Yes : Vessel Warning

Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required")	Non - HC Service (No Containment Required)	Vessel Normal	4/11/2014 12:00:20 AM	Weathersby, Max (weatml)

- ✗ Yes - Dike : Vessel Normal
- ✗ Pavement & Process Sewer : Vessel Normal
- ? No Containment Required -Non Hydrocarbon Service : Vessel Normal
- ✗ None-No Secondary Containment : Vessel Normal

Tank 4495 - Vendor Owned - E of Isom Local - Natur Klean - 560 Gallons ISO2-TK

Tank 4495 - Vendor Owned - E of Isom Local - Natur Klean - 560 Gallons Tanks

Task Group Status: 4/11/2014 12:00 AM

✓ Tank 4495 - Vendor Owned - E of Isom Local - Natur Klean - 560 Gallons	OK		4/11/2014 12:02:11 AM	Weathersby, Max (weatml)
✓ Visible Level?	Yes	Vessel Normal	4/11/2014 12:02:18 AM	Weathersby, Max (weatml)

- ? Yes : Vessel Normal
- ✗ No : Vessel Warning

✓ Tank Leaking?	No	Vessel Normal	4/11/2014 12:02:46 AM	Weathersby, Max (weatml)

- ? No : Vessel Normal
- ✗ Yes : Vessel Warning

☑ Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required")	Non - HC Service (No Containment Required)	Vessel Normal	4/11/2014 12:03:14 AM	Weathersby, Max (weatml)

- ✗ Yes - Dike : Vessel Normal
- ✗ Pavement & Process Sewer : Vessel Normal
- ? No Containment Required -Non Hydrocarbon Service : Vessel Normal
- ✗ None-No Secondary Containment : Vessel Normal

NSU Tank Integrity Checklist

ISOM Tank Integrity Checklist

Task Group Status: 4/11/2014 12:03 AM

Foam Concentrate Tank - BP Owned - Inside Deluge Valve House - AFFF - 50 Gallons ISO2-TK

Foam Concentrate - BP Owned - Inside Deluge Valve House - AFFF - 50 Gallons Tanks

Task Group Status: 4/11/2014 12:03 AM

✓ Foam Concentrate - BP Owned - Inside Deluge Valve House - AFFF - 50 Gallons — OK — 4/11/2014 12:08:59 AM — Weathersby, Max (weatml)

✓ Visible Level? — Yes — Vessel Normal — 4/11/2014 12:09:15 AM — Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking? — No — Vessel Normal — 4/11/2014 12:09:36 AM — Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") — Non - HC Service (No Containment Required) — Vessel Normal — 4/11/2014 12:09:55 AM — Weathersby, Max (weatml)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal
None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - North East Fire Turret - AFFF - 55 Gallons — ISO2-TK

Foam Concentrate Drum - BP Owned - North East Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:09 AM

✓ Foam Concentrate Drum - BP Owned - North East Fire Turret - AFFF - 55 Gallons — OK — 4/11/2014 12:11:51 AM — Weathersby, Max (weatml)

✓ Visible Level? — Yes — Vessel Normal — 4/11/2014 12:12:52 AM — Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking? — No — Vessel Normal — 4/11/2014 12:12:58 AM — Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") — Non - HC Service (No Containment Required) — Vessel Normal — 4/11/2014 12:14:16 AM — Weathersby, Max (weatml)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal

None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - Middle East Fire Turret - AFFF - 55 Gallons ISO2-TK

Foam Concentrate Drum - BP Owned - Middle East Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:14 AM

✓ Foam Concentrate Drum - BP Owned - Middle East Fire Turret - AFFF - 55 Gallons	OK		4/11/2014 12:15:24 AM	Weathersby, Max (weatml)
✓ Visible Level?	Yes	Vessel Normal	4/11/2014 12:15:30 AM	Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking?	No	Vessel Normal	4/11/2014 12:16:30 AM	Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required")	Non - HC Service (No Containment Required)	Vessel Normal	4/11/2014 12:17:06 AM	Weathersby, Max (weatml)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal
None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - South East Fire Turret - AFFF - 55 Gallons ISO2-TK

Foam Concentrate Drum - BP Owned - South East Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:17 AM

✓ Foam Concentrate Drum - BP Owned - South East Fire Turret - AFFF - 55 Gallons	OK		4/11/2014 12:17:14 AM	Weathersby, Max (weatml)
✓ Visible Level?	Yes	Vessel Normal	4/11/2014 12:17:25 AM	Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking?	No	Vessel Normal	4/11/2014 12:17:46 AM	Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") | Non - HC Service (No Containment Required) | Vessel Normal | 4/11/2014 12:17:53 AM | Weathersby, Max (weatml)

- Yes - Dike : Vessel Normal
- Pavement & Process Sewer : Vessel Normal
- No Containment Required -Non Hydrocarbon Service : Vessel Normal
- None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - South West Fire Turret - AFFF - 55 Gallons ISO2-TK

Foam Concentrate Drum - BP Owned - South West Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:17 AM

✓ Foam Concentrate Drum - BP Owned - South West Fire Turret - AFFF - 55 Gallons | OK | 4/11/2014 12:17:58 AM | Weathersby, Max (weatml)

✓ Visible Level? | Yes | Vessel Normal | 4/11/2014 12:18:10 AM | Weathersby, Max (weatml)

- Yes : Vessel Normal
- No : Vessel Warning

✓ Tank Leaking? | No | Vessel Normal | 4/11/2014 12:18:18 AM | Weathersby, Max (weatml)

- No : Vessel Normal
- Yes : Vessel Warning

Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") | Non - HC Service (No Containment Required) | Vessel Normal | 4/11/2014 12:21:09 AM | Weathersby, Max (weatml)

- Yes - Dike : Vessel Normal
- Pavement & Process Sewer : Vessel Normal
- No Containment Required -Non Hydrocarbon Service : Vessel Normal
- None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - Middle West Fire Turret - AFFF - 55 Gallons ISO2-TK

Foam Concentrate Drum - BP Owned - Middle West Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:21 AM

✓ Foam Concentrate Drum - BP Owned - Middle West Fire Turret - AFFF - 55 Gallons | OK | 4/11/2014 12:21:18 AM | Weathersby, Max (weatml)

✓ Visible Level? | Yes | Vessel Normal | 4/11/2014 | Weathersby,

12:21:27 AM Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking? No Vessel Normal 4/11/2014 12:21:33 AM Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") Non - HC Service (No Containment Required) Vessel Normal 4/11/2014 12:21:41 AM Weathersby, Max (weatml)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal
None-No Secondary Containment : Vessel Normal

Foam Concentrate Drum - BP Owned - North West Fire Turret - AFFF - 55 Gallons ISO2-TK

Foam Concentrate Drum - BP Owned - North West Fire Turret - AFFF - 55 Gallons Tanks

Task Group Status: 4/11/2014 12:21 AM

✓ Foam Concentrate Drum - BP Owned - North West Fire Turret - AFFF - 55 Gallons OK 4/11/2014 12:21:45 AM Weathersby, Max (weatml)

✓ Visible Level? Yes Vessel Normal 4/11/2014 12:21:53 AM Weathersby, Max (weatml)

Yes : Vessel Normal
No : Vessel Warning

✓ Tank Leaking? No Vessel Normal 4/11/2014 12:22:15 AM Weathersby, Max (weatml)

No : Vessel Normal
Yes : Vessel Warning
Notify OSF. Write note indicating locations

✓ Containment? (3rd option is "Non Hydrocarbon Service - No Containment Required") Non - HC Service (No Containment Required) Vessel Normal 4/11/2014 12:22:34 AM Weathersby, Max (weatml)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
No Containment Required -Non Hydrocarbon Service : Vessel Normal
None-No Secondary Containment : Vessel Normal

End of Round

Task Group Status: 4/11/2014 12:22 AM

✓ Have all Hydrocarbon No leak found Environ 4/11/2014 Weathersby,

leaks been reported to supervisor?		Normal	12:22:44 AM	Max (weatml)

No Leaks Found : Environ Normal

Leaks Reported : Environ Warning

✓ You are at the end of the round! Go to navagation view and verify the round is complete.	Round Verified	Round Guidelines	4/11/2014 12:22:55 AM	Weathersby, Max (weatml)

Round Verified : Round Guidelines

Round Incomplete, see note : Round Warning

A round should only be marked incompleted with the approval of the Shift Supervisor. A note which indicates the reason the round could not be completed must be entered prior to closing this round.

1.8.1 Facility Self-Inspection (Cont"d)

DDU MONTHLY TANK INTEGRITY

Wonderware
IntelaTrac **Completed Procedure Report**

Start Date/Time:	6/8/2014 7:06 AM	On Demand:	False
Completed Date/Time:	6/8/2014 7:13 AM	In Progress:	False
Trans. Date/Time:	6/8/2014 7:49 AM	Completed By:	Fischer, Gregory (fiscg2)
Approved Date/Time:	6/8/2014 8:16 AM	Approved By:	Beda, Sarah (bedas0)

CM - JOB4 - Monthly - DDU Tank Integrity Checklist

Schedule: Monthly, 2nd Friday of the Month Days

CM - JOB4 - Monthly - DDU Tank Integrity Checklist

Task Group Status: 6/8/2014 7:06 AM

Guidelines for the Tank Integrity Inspection

Do you want to read the guidelines for Tank Inspection?

Task Group Status: Yes 6/8/2014 7:06 AM

✓ What is the intent of the Tank Integrity Inspection	OK	Round Guidelines	6/8/2014 7:06:50 AM	Fischer, Gregory (fiscg2)

Message : Round Guidelines

The intent of the tank integrity inspection is to verify that unit storage tanks are in good operating conditions.

✓ What items should be verified during the tank inspection?	OK	Round Guidelines	6/8/2014 7:06:54 AM	Fischer, Gregory (fiscg2)

Message : Round Guidelines

- There are no visible leaks of any size.

- The method of level indication is properly working.

- The proper type of containment is in place.

✓ What actions should be taken if a problem is detected during the tank inspection?	OK	Round Guidelines	6/8/2014 7:06:59 AM	Fischer, Gregory (fiscg2)

Message : Round Guidelines

- If a leak is detected, cover the deck drains and notify the Shift Supervisor. If any material enters the sewer, notify the Lakefront Shift Supervisor .

- Indicate all other conditions via a note. If necessary, initiate a work order to repair.

✓ Requirements for tank filling	OK	Round Guidelines	6/8/2014 7:07:05 AM	Fischer, Gregory (fiscg2)

Message : Round Guidelines

Per procedure D-18 of the Manual of Safety Policies, an operator or the vendor must be present during fill of said vessels.

DDU Tank Integrity Checklist

Task Group Status: 6/8/2014 7:07 AM

Unlocking Key for K301A — DDU3-UNLK-0160-1.0

Scan tag and select unlock to access: K301A Lube Oil Bulk Tanks — Unlocking Key for K301A

Task Group Status: Unlock 6/8/2014 7:07 AM

K-301/A Lube Oil Bulk Tank - Castrol ISO 220 — DDU3-TK-Bulk1

K-301/A Lube Oil Bulk Tank - Castrol ISO 220, at grade N side of K-301/A Comp — K-301/A Lube Oil Bulk Tank - Castrol ISO 220

Task Group Status: OK 6/8/2014 7:07 AM

✓ **Visible Level**	Yes	Vessel Normal	6/8/2014 7:07:21 AM	Fischer, Gregory (fiscg2)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓ **Tank Leaking**	No	Vessel Normal	6/8/2014 7:07:30 AM	Fischer, Gregory (fiscg2)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓ **Containment**	Yes - Dike	Vessel Normal	6/8/2014 7:07:37 AM	Fischer, Gregory (fiscg2)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None-No Secondary Containment : Vessel Normal

Unlocking Key for F305 Area — DDU3-UNLK-0080-1.0

Scan tag and select unlock to access: Tank 51342 and Oil Mist Bulk Tank — Unlocking Key for F305 Area

Task Group Status: Unlock 6/8/2014 7:07 AM

Tank 51342 - DDU Inhibitor BPR34243 — DDU3-TK-51342

Tank 51342 - DDU Inhibitor BPR34243, NE corner of DDU Main pipe alley — Tank 51342 - DDU Inhibitor BPR34243

Task Group Status: OK 6/8/2014 7:07 AM

✓	**Visible Level**	Yes	Vessel Normal	6/8/2014 7:07:53 AM	Fischer, Gregory (fiscg2)

Yes : **Vessel Normal**
No : **Vessel Warning**
Notify OSF and indicate equipment condition via a note.

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:07:57 AM	Fischer, Gregory (fiscg2)

No : **Vessel Normal**
Yes : **Vessel Warning**
Notify Supervisor and secure any unsafe areas caused by leak.

✓	**Containment**	Yes - Dike	Vessel Normal	6/8/2014 7:08:02 AM	Fischer, Gregory (fiscg2)

Yes - Dike : **Vessel Normal**
Pavement & Process Sewer : **Vessel Normal**
Non - HC Service (No Containment Required) : **Vessel Normal**
None-No Secondary Containment : **Vessel Normal**

Oil Mist Bulk Tank - Castrol 100 Synthetic DDU3-TK-Bulk2

Oil Mist Bulk Tank - Castrol 100 Synthetic, DDU ma in pipe alley

Oil Mist Bulk Tank - Castr ol 100 Synthetic

Task Group Status: 6/8/2014 7:08 AM

✓	**Visible Level**	Yes	Vessel Normal	6/8/2014 7:08:27 AM	Fischer, Gregory (fiscg2)

Yes : **Vessel Normal**
No : **Vessel Warning**
Notify OSF and indicate equipment condition via a note.

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:08:38 AM	Fischer, Gregory (fiscg2)

No : **Vessel Normal**
Yes : **Vessel Warning**
Notify Supervisor and secure any unsafe areas caused by leak.

✓	**Containment**	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:08:46 AM	Fischer, Gregory (fiscg2)

Yes - Dike : **Vessel Normal**
Pavement & Process Sewer : **Vessel Normal**
Non - HC Service (No Containment Required) : **Vessel Normal**
None-No Secondary Containment : **Vessel Normal**

55 gallon used oil drum East of J305's DDU3-TK-Bulk3

Oil Mist 55 gallon used oil drum East of J305's

55 gallon used oil drum East of J305's

Task Group Status: 6/8/2014 7:08 AM

✓	**Visible Level**	Yes	Vessel Normal	6/8/2014 7:09:00 AM	Fischer, Gregory (fiscg2)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:09:04 AM	Fischer, Gregory (fiscg2)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓	**Containment**	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:09:51 AM	Fischer, Gregory (fiscg2)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None-No Secondary Containment : Vessel Normal

HU Tank Integrity Checklist

Task Group Status: 6/8/2014 7:09 AM

55 Gallon Packing Pot oil West of G505B (Glycol) HU01-TK-Bulk1

55 Gallon Packing Pot oil West of G505B (Glycol)

55 Gallon Packing Pot oil West of G505B (Glycol)

Task Group Status: 6/8/2014 7:09 AM

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:09:59 AM	Fischer, Gregory (fiscg2)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓	**Containment**	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:13:00 AM	Fischer, Gregory (fiscg2)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None-No Secondary Containment : Vessel Normal

End of Round

Task Group Status: 6/8/2014 7:13 AM

✓ Have all Hydrocarbon leaks been reported to supervisor.	No leak found	Environ Normal	6/8/2014 7:13:05 AM	Fischer, Gregory (fiscg2)

No Leaks Found : Environ Normal

Leaks Reported : Environ Warning

✓ You are at the end of the round! Go to navagation view and verify the round is complete.	Round Verified	Round Guidelines	6/8/2014 7:13:35 AM	Fischer, Gregory (fiscg2)

Round Verified : Round Guidelines

Round Incomplete, see note : Round Warning

A round should only be marked incompleted with the approval of the Shift Supervisor. A note which indicates the reason the round could not be completed must be entered prior to closing this round.

1.8.1 Facility Self-Inspection (Cont"d)

DHT MONTHLY TANK INTEGRITY

Wonderware
IntelaTrac **Completed Procedure Report**

Start Date/Time:	6/8/2014 7:55 AM	**On Demand:**	False
Completed Date/Time:	6/8/2014 7:58 AM	**In Progress:**	False
Trans. Date/Time:	6/8/2014 9:50 AM	**Completed By:**	Roser, Keith (Roseka)
Approved Date/Time:	6/8/2014 10:35 AM	**Approved By:**	Beda, Sarah (bedas0)

CM - JOB5 - Monthly - DHT Tank Integrity Checklist

Schedule: Monthly, 2nd Friday of the month (Days)

CM - JOB5 - Monthly - DHT Tank Integrity Checklist

Task Group Status: 6/8/2014 7:55 AM

Guidelines for the Tank Integrity Inspection

Would you like to read the guidelines for Tank Ins
pection?

Task Group Status: Yes 6/8/2014 7:55 AM

✓	**What is the intent of the Tank Integrity Inspection**	ok	Round Guidelines	6/8/2014 7:56:04 AM Roser, Keith (Roseka)

Message : Round Guidelines

The intent of the tank integrity inspection is to verify that unit storage tanks are in good operating conditions.

✓	**What items should be verified during the tank inspection?**	OK	Round Guidelines	6/8/2014 7:56:15 AM Roser, Keith (Roseka)

Message : Round Guidelines

- There are no visible leaks of any size.

- The method of level indication is properly working.

- The proper type of containment is in place.

✓	**What actions should be taken if a problem is detected during the tank inspection?**	OK	Round Guidelines	6/8/2014 7:56:26 AM Roser, Keith (Roseka)

Message : Round Guidelines

- If a leak is detected, cover the deck drains and notify the Shift Supervisor. If any material enters the sewer, notify the Lakefront Shift Supervisor .

- Indicate all other conditions via a note. If necessary, initiate a work order to repair.

✓	**Requirements for Tank Filling**	OK	Round Guidelines	6/8/2014 7:56:34 AM Roser, Keith (Roseka)

Message : Round Guidelines

Per procedure D-18 of the Manual of Safety Policies, an operator or the vendor must be present during fill of said vessels.

DHT Tank Integrity Checklist

Task Group Status: 6/8/2014 7:56 AM

Unlocking Key for K601A Lub Oil Skid — DHT6-UNLK-0020-1.0

Scan tag and select unlock to access: K601A Lube Oil Bulk Tanks — Unlocking Key for K601A Lub Oil Skid

Task Group Status: Unlock 6/8/2014 7:56 AM

Bulk Tank K601A - Castrol ISO 460 — DHT6-TK-Bulk1

Bulk Tank K601A - Castrol ISO 460, Under K-601A at grade — Bulk Tank K601A - Castrol ISO 460

Task Group Status: 6/8/2014 7:56 AM

✓	**Visible Level**	Yes	Vessel Normal	6/8/2014 7:57:02 AM	Roser, Keith (Roseka)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:57:07 AM	Roser, Keith (Roseka)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓	**Containment Type**	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:57:13 AM	Roser, Keith (Roseka)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None - No Secondary Containment : Vessel Normal

Bulk Tank Lubrimist - Castrol ISO — DHT6-TK-Bulk1

Bulk Tank Lubrimist - Castrol ISO , SOUTH OF C-601 — Bulk Tank K601A - Castrol ISO 460

Task Group Status: 6/8/2014 7:57 AM

✓	**Visible Level**	Yes	Vessel Normal	6/8/2014 7:57:41 AM	Roser, Keith (Roseka)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓	**Tank Leaking**	No	Vessel Normal	6/8/2014 7:57:45 AM	Roser, Keith (Roseka)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓	Containment Type	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:57:50 AM	Roser, Keith (Roseka)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None - No Secondary Containment : Vessel Normal

Bulk Oil ISO 150 for Crankcase (West) North side of K601 DHT6-TK-Bulk3

Bulk Oil ISO 150 for Crankcase (West) North sid e of K601

Cylinder Packing Pot oil (West) Norht side of K601

Task Group Status: 6/8/2014 7:57 AM

✓	Visible Level	Yes	Vessel Normal	6/8/2014 7:57:55 AM	Roser, Keith (Roseka)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓	Tank Leaking	No	Vessel Normal	6/8/2014 7:58:01 AM	Roser, Keith (Roseka)

No : Vessel Normal
Yes : Vessel Warning
Notify Supervisor and secure any unsafe areas caused by leak.

✓	Containment Type	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:58:05 AM	Roser, Keith (Roseka)

Yes - Dike : Vessel Normal
Pavement & Process Sewer : Vessel Normal
Non - HC Service (No Containment Required) : Vessel Normal
None - No Secondary Containment : Vessel Normal

Scavenger Juice Tank T-350 DHT6-TK-T350

Scavenger Tank (Fish Juice)

Scavenger Tank

Task Group Status: 6/8/2014 7:58 AM

✓	Visible Level	Yes	Vessel Normal	6/8/2014 7:58:10 AM	Roser, Keith (Roseka)

Yes : Vessel Normal
No : Vessel Warning
Notify OSF and indicate equipment condition via a note.

✓	Tank Leaking	No	Vessel	6/8/2014	Roser, Keith

Normal 7:58:14 AM (Roseka)

No : Vessel Normal

Yes : Vessel Warning

Notify Supervisor and secure any unsafe areas caused by leak.

✓	Containment Type	Pavement & Process Sewer	Vessel Normal	6/8/2014 7:58:18 AM	Roser, Keith (Roseka)

Yes - Dike : Vessel Normal

Pavement & Process Sewer : Vessel Normal

Non - HC Service (No Containment Required) : Vessel Normal

None - No Secondary Containment : Vessel Normal

End of Round

Task Group Status: 6/8/2014 7:58 AM

✓	Have all Hydrocarbon leaks been reported to supervisor.	No leak found	Environ Normal	6/8/2014 7:58:23 AM	Roser, Keith (Roseka)

No Leaks Found : Environ Normal

Leaks Reported : Environ Warning

✓	You are at the end of the round! Go to navagation view and verify the round is complete.	Round Verified	Round Guidelines	6/8/2014 7:58:27 AM	Roser, Keith (Roseka)

Round Verified : Round Guidelines

Round Incomplete, see note : Round Warning

A round should only be marked incompleted with the approval of the Shift Supervisor. A note which indicates the reason the round could not be completed must be entered prior to closing this round.

1.8.1 Facility Self-Inspection (Cont"d)

DOCKS MONTHLY GROUND LEVEL IN-SERVICE TANK INSPECTION

Wonderware
IntelaTrac **Completed Procedure Report**

Start Date/Time:	5/17/2014 3:06 PM	**On Demand:**	False
Completed Date/Time:	5/17/2014 3:13 PM	**In Progress:**	False
Trans. Date/Time:	5/17/2014 3:16 PM	**Completed By:**	Gallegos, Augustine (gallega)
Approved Date/Time:	5/17/2014 3:36 PM	**Approved By:**	Nesbit, Malcolm C (nesbitmc)

CM - UM - Monthly - Marine Docks Ground Level In-Service Tank Inspection - B-Crew

Schedule - To be completed once per month, every month

UM - Monthly - Ground Level In-Service Tank Inspection Docks

Task Group Status: 5/17/2014 3:06 PM

Unlocking key for Tank 572 — DOCK-UNLK-0230-1.0

Scan tag and select status to access: Tank 572 — Unlocking key for Tank 572

Task Group Status: Unlock 5/17/2014 3:06 PM

Tank 572 — DOCK-TK-TK3572

Tank - Asphalt- (INS)

Task Group Status: In Service 5/17/2014 3:06 PM

✓ **What Type of Tank**	Cone Roof	Vessel Normal	5/17/2014 3:07:00 PM	Gallegos, Augustine (gallega)

- Cone Roof : **Vessel Normal**
- Fixed Roof Internal Floating : **Vessel Warning**

✓ **What Type of Gauge**	CRT	Vessel Normal	5/17/2014 3:07:06 PM	Gallegos, Augustine (gallega)

- CRT : **Vessel Normal**
- Local : **Vessel Normal**
- Radar : **Vessel Normal**

✓ **Is Tank Heated?**	Yes	Vessel Normal	5/17/2014 3:07:09 PM	Gallegos, Augustine (gallega)

- Yes : **Vessel Normal**
- No : **Vessel Warning**

✓ **Area unobstructed, clean & free of water & oil.**	Acceptable	Vessel Normal	5/17/2014 3:07:12 PM	Gallegos, Augustine (gallega)

- Acceptable : **Vessel Normal**
- Not Acceptable : **Vessel Warning**

If area is congested with debris, or has water & oil build-up, notify Supervisor/OSF.

✓ Firewall is eroding and not properly backfilled.	No	Vessel Warning	5/17/2014 3:07:17 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

If there is evidence of errosion or area not backfilled notify Supervisor/OSF.

No : Vessel Warning

✓ Are the plates or welds corroded, bulging or buckling?	No	Vessel Normal	5/17/2014 3:07:22 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF if welds or plates are corroded, if there are any buckles & bulges in plates.

No : Vessel Normal

✓ Are there any leaks observed from welds or joints?	No leak found	Vessel Normal	5/17/2014 3:07:25 PM	Gallegos, Augustine (gallega)

No leak found : Vessel Normal

Leak reported : Vessel Normal

Report any leaks observed from welds, plates or riveted joints to Supervisor and OSF.

✓ Is scaffolding being used in place of stairs/ladders?	No	Vessel Normal	5/17/2014 3:07:28 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Ensure scaffolding has correct tags posted before using.

No : Vessel Normal

✓ Is there any corrosion, broken welds or missing nuts/bolts?	No	Vessel Normal	5/17/2014 3:07:32 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF and issue a note if any corrosion is observed, or there are any broken welds or missing nuts/bolts.

No : Vessel Normal

✓ Is there any cracks or spalling in concrete?	No	Vessel Normal	5/17/2014 3:07:35 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If there are any cracks or spalling in concrete, notify Supervisor or OSF.

No : Vessel Normal

✓ Is the foundation settled or buried?	No	Vessel Normal	5/17/2014 3:07:38 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If the foundation is settled or buried, notify Supervisor or OSF.

No : Vessel Normal

✓ Is Sample Point	Yes	Vessel Normal	5/17/2014	Gallegos,

Operational?			3:07:40 PM	Augustine (gallega)	

Yes : Vessel Normal
No : Vessel Warning
Ensure valves operate freely, lines aren't plugged or tubing crimped. If unable to get flow, put a steam lance on sample point.

✓ Is decking & handrail in good condition?	Acceptable	Vessel Normal	5/17/2014 3:07:43 PM	Gallegos, Augustine (gallega)	

Acceptable : Vessel Normal
Not Acceptable : Vessel Warning
If there is any corroded decking or handrails, notify Supervisor or OSF.

✓ Are there any broken welds or angles?	No	Vessel Normal	5/17/2014 3:07:46 PM	Gallegos, Augustine (gallega)	

Yes : Vessel Warning
If there are any broken welds or angles, notify Supervisor or OSF.
No : Vessel Normal

✓ Are valves & headers operational & not leaking?	Operating Properly	Vessel Normal	5/17/2014 3:07:49 PM	Gallegos, Augustine (gallega)	

Operating Properly : Vessel Normal
Problem Found : Vessel Warning
If there are any defective valves or any packing or flange leaks, notify Supervisor or OSF.

✓ Are hot oil valves & TI operational?	No	Analyzer Warning	5/17/2014 3:09:13 PM	Gallegos, Augustine (gallega)	local ti and inside ti don't work

Yes : Analyzer Normal
No : Analyzer Warning
If valves & TI aren't operational, notify Supervisor or OS, and write a WO for valve and notify I& E for TI.

✓ Is tracing or insulation damaged?	No	Environ Normal	5/17/2014 3:09:17 PM	Gallegos, Augustine (gallega)	

Yes : Environ Warning
If there is any tracing or insulation damage notify Supervisor or OSF. The area might need to be flagged off is insulation is hanging,
No : Environ Normal

✓ Does tank have proper identification?	Yes	Vessel Normal	5/17/2014 3:09:19 PM	Gallegos, Augustine (gallega)	

Yes : Vessel Normal
No : Vessel Warning
Tank must have number, H2S/N2 warning sign & NFPA diamond. If any of these are missing, notify Supervisor or OSF.

✓ Is shell paint in good condition?	Yes	Vessel Normal	5/17/2014 3:09:40 PM	Gallegos, Augustine	

(gallega)

Yes : Vessel Normal
No : Vessel Warning
If there is any blistering, thinning, discolored or rusty paint, notify Supervisor or OSF.

Unlocking key for Tank 571 — DOCK-UNLK-0320-1.0

Scan tag and select status to access: Tank 571 — Unlocking key for Tank 571

Task Group Status: Unlock — 5/17/2014 3:09 PM

Tank 571 — DOCK-TK-TK3571
Tank - Asphalt - (INS)

Task Group Status: In Service — 5/17/2014 3:09 PM

✓ **What Type of Tank**	Cone Roof	Vessel Normal	5/17/2014 3:09:46 PM	Gallegos, Augustine (gallega)

Cone Roof : Vessel Normal
Fixed Roof Internal Floating : Vessel Warning

✓ **What Type of Gauge**	CRT	Vessel Normal	5/17/2014 3:09:48 PM	Gallegos, Augustine (gallega)

CRT : Vessel Normal
Local : Vessel Normal
Radar : Vessel Normal

✓ **Is Tank Heated?**	No	Vessel Normal	5/17/2014 3:09:53 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal
No : Vessel Normal

✓ **Area unobstructed, clean & free of water & oil.**	Acceptable	Vessel Normal	5/17/2014 3:10:23 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal
Not Acceptable : Vessel Warning
If area is congested with debris, or has water & oil build-up, notify Supervisor/OSF.

✓ **Firewall is eroding and not properly backfilled.**	No	Vessel Warning	5/17/2014 3:10:27 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal
If there is evidence of errosion or area not backfilled notify Supervisor/OSF.
No : Vessel Warning

✓ **Are the plates or welds corroded, bulging or buckling?**	No	Vessel Normal	5/17/2014 3:10:30 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning
Notify Supervisor/OSF if welds or plates are corroded, if there are any buckles &

bulges in plates.

No : Vessel Normal

✓ Are there any leaks observed from welds or joints?	No leak found	Vessel Normal	5/17/2014 3:10:33 PM	Gallegos, Augustine (gallega)

No leak found : Vessel Normal

Leak reported : Vessel Normal

Report any leaks observed from welds, plates or riveted joints to Supervisor and OSF.

✓ Is scaffolding being used in place of stairs/ladders?	No	Vessel Normal	5/17/2014 3:10:35 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Ensure scaffolding has correct tags posted before using.

No : Vessel Normal

✓ Is there any corrosion, broken welds or missing nuts/bolts?	No	Vessel Normal	5/17/2014 3:10:38 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF and issue a note if any corrosion is observed, or there are any broken welds or missing nuts/bolts.

No : Vessel Normal

✓ Is there any cracks or spalling in concrete?	No	Vessel Normal	5/17/2014 3:10:41 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If there are any cracks or spalling in concrete, notify Supervisor or OSF.

No : Vessel Normal

✓ Is the foundation settled or buried?	No	Vessel Normal	5/17/2014 3:10:44 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If the foundation is settled or buried, notify Supervisor or OSF.

No : Vessel Normal

✓ Is Sample Point Operational?	Yes	Vessel Normal	5/17/2014 3:10:46 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

Ensure valves operate freely, lines aren't plugged or tubing crimped. If unable to get flow, put a steam lance on sample point.

✓ Is decking & handrail in good condition?	Acceptable	Vessel Normal	5/17/2014 3:10:48 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal

Not Acceptable : Vessel Warning

If there is any corroded decking or handrails, notify Supervisor or OSF.

✓ Are there any broken	No	Vessel Normal	5/17/2014	Gallegos,

welds or angles?			3:10:50 PM	Augustine (gallega)

Yes : Vessel Warning

If there are any broken welds or angles, notify Supervisor or OSF.

No : Vessel Normal

✓ Are valves & headers operational & not leaking?	Operating Properly	Vessel Normal	5/17/2014 3:10:52 PM	Gallegos, Augustine (gallega)

Operating Properly : Vessel Normal

Problem Found : Vessel Warning

If there are any defective valves or any packing or flange leaks, notify Supervisor or OSF.

✓ Are hot oil valves & TI operational?	Yes	Analyzer Normal	5/17/2014 3:10:53 PM	Gallegos, Augustine (gallega)

Yes : Analyzer Normal

No : Analyzer Warning

If valves & TI aren't operational, notify Supervisor or OS, and write a WO for valve and notify I& E for TI.

✓ Is tracing or insulation damaged?	No	Environ Normal	5/17/2014 3:10:56 PM	Gallegos, Augustine (gallega)

Yes : Environ Warning

If there is any tracing or insulation damage notify Supervisor or OSF. The area might need to be flagged off is insulation is hanging,

No : Environ Normal

✓ Does tank have proper identification?	Yes	Vessel Normal	5/17/2014 3:10:58 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

Tank must have number, H2S/N2 warning sign & NFPA diamond. If any of these are missing, notify Supervisor or OSF.

✓ Is shell paint in good condition?	Yes	Vessel Normal	5/17/2014 3:11:01 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

If there is any blistering, thinning, discolored or rusty paint, notify Supervisor or OSF.

Unlocking key for Tank 570 — DOCK-UNLK-0330-1.0

Scan tag and select status to access: Tank 570

Unlocking key for Tank 570

Task Group Status: Unlock

5/17/2014 3:11 PM

Tank 570 — DOCK-TK-TK3570

Tank - TGO/Resid Line Wash - (INS)

✓ What Type of Tank	Cone Roof	Vessel Normal	5/17/2014 3:11:07 PM	Gallegos, Augustine (gallega)

Cone Roof : Vessel Normal
✗ Fixed Roof Internal Floating : Vessel Warning

✓ What Type of Gauge	CRT	Vessel Normal	5/17/2014 3:11:09 PM	Gallegos, Augustine (gallega)

CRT : Vessel Normal
✗ Local : Vessel Normal
✗ Radar : Vessel Normal

✓ Is Tank Heated?	No	Vessel Normal	5/17/2014 3:11:16 PM	Gallegos, Augustine (gallega)

✗ Yes : Vessel Normal
No : Vessel Normal

✓ Area unobstructed, clean & free of water & oil.	Acceptable	Vessel Normal	5/17/2014 3:11:19 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal
✗ Not Acceptable : Vessel Warning

If area is congested with debris, or has water & oil build-up, notify Supervisor/OSF.

✓ Firewall is eroding and not properly backfilled.	No	Vessel Warning	5/17/2014 3:11:25 PM	Gallegos, Augustine (gallega)

✗ Yes : Vessel Normal

If there is evidence of errosion or area not backfilled notify Supervisor/OSF.

No : Vessel Warning

✓ Are the plates or welds corroded, bulging or buckling?	No	Vessel Normal	5/17/2014 3:11:28 PM	Gallegos, Augustine (gallega)

✗ Yes : Vessel Warning

Notify Supervisor/OSF if welds or plates are corroded, if there are any buckles & bulges in plates.

No : Vessel Normal

✓ Are there any leaks observed from welds or joints?	No leak found	Vessel Normal	5/17/2014 3:11:32 PM	Gallegos, Augustine (gallega)

No leak found : Vessel Normal
✗ Leak reported : Vessel Normal

Report any leaks observed from welds, plates or riveted joints to Supervisor and OSF.

✓ Is scaffolding being used in place of stairs/ladders?	No	Vessel Normal	5/17/2014 3:11:35 PM	Gallegos, Augustine (gallega)

✗ Yes : Vessel Warning

Ensure scaffolding has correct tags posted before using.

No : Vessel Normal

✓ Is there any corrosion, broken welds or missing nuts/bolts?	No	Vessel Normal	5/17/2014 3:11:39 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF and issue a note if any corrosion is observed, or there are any broken welds or missing nuts/bolts.

No : Vessel Normal

✓ Is there any cracks or spalling in concrete?	No	Vessel Normal	5/17/2014 3:11:43 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If there are any cracks or spalling in concrete, notify Supervisor or OSF.

No : Vessel Normal

✓ Is the foundation settled or buried?	No	Vessel Normal	5/17/2014 3:11:45 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If the foundation is settled or buried, notify Supervisor or OSF.

No : Vessel Normal

✓ Is Sample Point Operational?	Yes	Vessel Normal	5/17/2014 3:11:48 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

Ensure valves operate freely, lines aren't plugged or tubing crimped. If unable to get flow, put a steam lance on sample point.

✓ Is decking & handrail in good condition?	Acceptable	Vessel Normal	5/17/2014 3:11:50 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal

Not Acceptable : Vessel Warning

If there is any corroded decking or handrails, notify Supervisor or OSF.

✓ Are there any broken welds or angles?	No	Vessel Normal	5/17/2014 3:11:52 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If there are any broken welds or angles, notify Supervisor or OSF.

No : Vessel Normal

✓ Are valves & headers operational & not leaking?	Operating Properly	Vessel Normal	5/17/2014 3:11:56 PM	Gallegos, Augustine (gallega)

Operating Properly : Vessel Normal

Problem Found : Vessel Warning

If there are any defective valves or any packing or flange leaks, notify Supervisor or OSF.

✓ Is tracing or	No	Environ	5/17/2014	Gallegos,

insulation damaged?	Normal		3:11:59 PM	Augustine (gallega)

Yes : Environ Warning

If there is any tracing or insulation damage notify Supervisor or OSF. The area might need to be flagged off is insulation is hanging,

No : Environ Normal

✓ Does tank have proper identification?	Yes	Vessel Normal	5/17/2014 3:12:01 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

Tank must have number, H2S/N2 warning sign & NFPA diamond. If any of these are missing, notify Supervisor or OSF.

✓ Is shell paint in good condition?	Yes	Vessel Normal	5/17/2014 3:12:04 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Warning

If there is any blistering, thinning, discolored or rusty paint, notify Supervisor or OSF.

Unlocking key for Tank 573 — DOCK-UNLK-0530-1.0

Scan tag and select status to access: Tank 573 — Unlocking key for 3573 tank

Task Group Status: Unlock — 5/17/2014 3:12 PM

Tank 573 — DOCK-TK-TK3573

Tank - TGO/Resid Line wash

Task Group Status: In Service — 5/17/2014 3:12 PM

✓ What Type of Tank	Cone Roof	Vessel Normal	5/17/2014 3:12:08 PM	Gallegos, Augustine (gallega)

Cone Roof : Vessel Normal

Fixed Roof Internal Floating : Vessel Warning

✓ What Type of Gauge	CRT	Vessel Normal	5/17/2014 3:12:10 PM	Gallegos, Augustine (gallega)

CRT : Vessel Normal

Local : Vessel Normal

Radar : Vessel Normal

✓ Is Tank Heated?	No	Vessel Normal	5/17/2014 3:12:18 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

No : Vessel Normal

✓ Area unobstructed, clean & free of water & oil.	Acceptable	Vessel Normal	5/17/2014 3:12:21 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal

Not Acceptable : Vessel Warning

If area is congested with debris, or has water & oil build-up, notify Supervisor/OSF.

✓ Firewall is eroding and not properly backfilled.	No	Vessel Warning	5/17/2014 3:12:24 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal

If there is evidence of errosion or area not backfilled notify Supervisor/OSF.

No : Vessel Warning

✓ Are the plates or welds corroded, bulging or buckling?	No	Vessel Normal	5/17/2014 3:12:32 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF if welds or plates are corroded, if there are any buckles & bulges in plates.

No : Vessel Normal

✓ Are there any leaks observed from welds or joints?	No leak found	Vessel Normal	5/17/2014 3:12:34 PM	Gallegos, Augustine (gallega)

No leak found : Vessel Normal

Leak reported : Vessel Normal

Report any leaks observed from welds, plates or riveted joints to Supervisor and OSF.

✓ Is scaffolding being used in place of stairs/ladders?	No	Vessel Normal	5/17/2014 3:12:38 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Ensure scaffolding has correct tags posted before using.

No : Vessel Normal

✓ Is there any corrosion, broken welds or missing nuts/bolts?	No	Vessel Normal	5/17/2014 3:12:40 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

Notify Supervisor/OSF and issue a note if any corrosion is observed, or there are any broken welds or missing nuts/bolts.

No : Vessel Normal

✓ Is there any cracks or spalling in concrete?	No	Vessel Normal	5/17/2014 3:12:43 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If there are any cracks or spalling in concrete, notify Supervisor or OSF.

No : Vessel Normal

✓ Is the foundation settled or buried?	No	Vessel Normal	5/17/2014 3:12:46 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning

If the foundation is settled or buried, notify Supervisor or OSF.

No : Vessel Normal

✓ Is Sample Point Operational?	Yes	Vessel Normal	5/17/2014 3:12:48 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal
No : Vessel Warning
Ensure valves operate freely, lines aren't plugged or tubing crimped. If unable to get flow, put a steam lance on sample point.

✓ Is decking & handrail in good condition?	Acceptable	Vessel Normal	5/17/2014 3:12:51 PM	Gallegos, Augustine (gallega)

Acceptable : Vessel Normal
Not Acceptable : Vessel Warning
If there is any corroded decking or handrails, notify Supervisor or OSF.

✓ Are there any broken welds or angles?	No	Vessel Normal	5/17/2014 3:12:54 PM	Gallegos, Augustine (gallega)

Yes : Vessel Warning
If there are any broken welds or angles, notify Supervisor or OSF.
No : Vessel Normal

✓ Are valves & headers operational & not leaking?	Operating Properly	Vessel Normal	5/17/2014 3:12:58 PM	Gallegos, Augustine (gallega)

Operating Properly : Vessel Normal
Problem Found : Vessel Warning
If there are any defective valves or any packing or flange leaks, notify Supervisor or OSF.

✓ Is tracing or insulation damaged?	No	Environ Normal	5/17/2014 3:13:02 PM	Gallegos, Augustine (gallega)

Yes : Environ Warning
If there is any tracing or insulation damage notify Supervisor or OSF. The area might need to be flagged off is insulation is hanging,
No : Environ Normal

✓ Does tank have proper identification?	Yes	Vessel Normal	5/17/2014 3:13:04 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal
No : Vessel Warning
Tank must have number, H2S/N2 warning sign & NFPA diamond. If any of these are missing, notify Supervisor or OSF.

✓ Is shell paint in good condition?	Yes	Vessel Normal	5/17/2014 3:13:08 PM	Gallegos, Augustine (gallega)

Yes : Vessel Normal
No : Vessel Warning
If there is any blistering, thinning, discolored or rusty paint, notify Supervisor or OSF.

End of Round

Task Group Status: 5/17/2014 3:13 PM

✓ **Have all Hydrocarbon leaks been reported to supervisor.**	No leak found	Environ Normal	5/17/2014 3:13:14 PM	Gallegos, Augustine (gallega)

No Leaks Found : Environ Normal

Leaks Reported : Environ Warning

✓ **Are there any of the tags associated with the round missing or damaged?**	No tag missing or damaged	Round Guidelines	5/17/2014 3:13:15 PM	Gallegos, Augustine (gallega)

No tag missing or damaged : Round Guidelines

Tag(s) missing or damaged : IntelaTrac Hardware

Identify the tag(s) missing or damaged via a note. Specify all the affected equipment.

Notify the Supervisor about the missing or damaged tag.

Unable to verify all tags : IntelaTrac Hardware

Document via a note the reason for which you were unable to verify the location and/or functionality of all the tags.

✓ **You are at the end of the round! Go to navagation view and verify the round is complete.**	Round Verified	Round Guidelines	5/17/2014 3:13:17 PM	Gallegos, Augustine (gallega)

Round Verified : Round Guidelines

Round Incomplete, see note : Round Warning

A round should only be marked incompleted with the approval of the Shift Supervisor. A note which indicates the reason the round could not be completed must be entered prior to closing this round.

Quarterly Topside In-Service Tank Inspection Form

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-228-Q

TOPSIDE IN-SERVICE TANK INSPECTION

DATE: _____ OPERATOR: _____ GROUP _____

TYPE OF TANK

TANK _____

DATE _____

INITIAL _____

☐ Tank is Out of Service ##

☐ Cone Roof

☐ Fixed Roof Internal Floating

☐ Geodesic Internal Floating

☐ External Floating Roof

WORK ORDERS

☐ WO# _____

☐ WO# _____

☐ Windgirder Inspection

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

WINDGIRDER

☐ Corrosion @ shell attach
☐ Broken welds
☐ Walking service pitting
☐ Drain holes plugged
☐ Handrails loose / broken

FIXED ROOF

☐ Plates corroded/pitting
☐ Tears/bulges/or sags
☐ Pinhole leaks/stains
☐ Puddles atop roof

GAUGE HATCH

☐ Hinge frozen
☐ Aluminum lid broken

INSPECTION HATCH

☐ Hinges frozen
☐ Latch broken off

INTERNAL FLOATER

☐ Liquid accumulation
☐ Product leakage
☐ Vapor Accumulation
☐ Secondary seals OK
☐ Secondary seals BAD

GEODESIC DOME

☐ Handrails loose/broken
☐ Missing panels
☐ Rainwater leakage
☐ Broken seals

PONTOON FLOATER

☐ Roof drain plug IN
☐ Roof drain plug OUT
☐ Secondary seals OK
☐ Secondary seals BAD
☐ Pontoon Covers OFF
☐ Pontoon internals DRY
☐ Pontoon internals WET
☐ Accumulated rain water

TANK ACCESSORIES

☐ Critical alarm OK
☐ Critical alarm BAD
☐ Rolling ladder OK
☐ Rolling ladder BAD
☐ Roof legs/vent legs OK
☐ Roof legs/vent legs BAD
☐ Vacuum breakers iN
☐ Vacuum breakers OUT
☐ Gauge float in well
☐ Gauge attached to roof

TANK GAUGING INFO

CRT = _____

Local = _____

Tape= _____

H2O = _____

APITOPSIDE R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original --> Operations Complex Specialist, Maintain copy on unit.

1.8.1 Facility Self-Inspection (Cont'd)

Quarterly Topside In-Service Tank Inspection Form

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-228-Q

TOPSIDE IN-SERVICE TANK INSPECTION

DATE: _____ OPERATOR: _____ GROUP _____

TANK _____

DATE _____

INITIAL _____

☐ Tank is Out of Service ##

TYPE OF TANK

☐ Cone Roof
☐ Fixed Roof Internal Floating
☐ Geodesic Internal Floating
☐ External Floating Roof

WORK ORDERS

☐ WO# _____
☐ WO# _____
☐ Windgirder Inspection

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

WINDGIRDER

☐ Corrosion @ shell attach
☐ Broken welds
☐ Walking service pitting
☐ Drain holes plugged
☐ Handrails loose / broken

INTERNAL FLOATER

☐ Liquid accumulation
☐ Product leakage
☐ Vapor Accumulation
☐ Secondary seals OK
☐ Secondary seals BAD

TANK ACCESSORIES

☐ Critical alarm OK
☐ Critical alarm BAD
☐ Rolling ladder OK
☐ Rolling ladder BAD
☐ Roof legs/vent legs OK
☐ Roof legs/vent legs BAD
☐ Vacuum breakers IN
☐ Vacuum breakers OUT
☐ Gauge float in well
☐ Gauge attached to roof

FIXED ROOF

☐ Plates corroded/pitting
☐ Tears/bulges/or sags
☐ Pinhole leaks/stains
☐ Puddles atop roof

GEODESIC DOME

☐ Handrails loose/broken
☐ Missing panels
☐ Rainwater leakage
☐ Broken seals

GAUGE HATCH

☐ Hinge frozen
☐ Aluminum lid broken

INSPECTION HATCH

☐ Hinges frozen
☐ Latch broken off

PONTOON FLOATER

☐ Roof drain plug IN
☐ Roof drain plug OUT
☐ Secondary seals OK
☐ Secondary seals BAD
☐ Pontoon Covers OFF
☐ Pontoon internals DRY
☐ Pontoon internals WET
☐ Accumulated rain water

TANK GAUGING INFO

CRT = _____

Local = _____

Tape= _____

H2O = _____

APITOPSIDE R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original --> Operations Complex Specialist, Maintain copy on unit.

1.8.1 Facility Self-Inspection (Cont'd)

Quarterly Topside In-Service Tank Inspection Form (Cont'd)

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-622-Q

TOPSIDE IN-SERVICE TANK INSPECTION

DATE: 6-2-12 OPERATOR: [illegible] GROUP A

TYPE OF TANK

TANK 623FK
DATE 6-2-12
INITIAL HGB

☐ Cone Roof
☐ Fixed Roof Internal Floating
☑ Geodesic Internal Floating
☐ External Floating Roof

WORK ORDERS

☐ WO#
☐ WO#
☐ Windgirder Inspection

☐ Tank is Out of Service ##

Complete top portion only for Tanks out of service
Put an "X" in the boxes below, that apply

WINDGIRDER

☐ Corrosion @ shell attach
☐ Broken welds
☐ Walking service pitting
☐ Drain holes plugged
☐ Handrails loose / broken

INTERNAL FLOATER

☐ Liquid accumulation
☐ Product leakage
☐ Vapor Accumulation
☐ Secondary seals OK
☐ Secondary seals BAD

TANK ACCESSORIES

☐ Critical alarm OK
☐ Critical alarm BAD
☐ Rolling ladder OK
☐ Rolling ladder BAD
☐ Roof legs/vent legs OK
☐ Roof legs/vent legs BAD
☐ Vacuum breakers IN
☐ Vacuum breakers OUT
☐ Gauge float in well
☐ Gauge attached to roof

FIXED ROOF

☐ Plates corroded/pitting
☐ Tears/bulges/or sags
☐ Pinhole leaks/stains
☐ Puddles atop roof

GEODESIC DOME

☐ Handrails loose/broken
☐ Missing panels
☐ Rainwater leakage
☐ Broken seals

GAUGE HATCH

☐ Hinge frozen
☐ Aluminum lid broken

INSPECTION HATCH

☐ Hinges frozen
☐ Latch broken off

PONTOON FLOATER

☐ Roof drain plug IN
☐ Roof drain plug OUT
☐ Secondary seals OK
☐ Secondary seals BAD
☐ Pontoon Covers OFF
☐ Pontoon internals DRY
☐ Pontoon internals WET

TANK GAUGING INFO

CRT = 21' 1 9/16
Local = 21' 1 11/16
Tape = 19' 8 3/4
H2O = (e)

} off 2' 3 8/16"

omd-ems-622-q.xls

Page 2 of 3

A lot of Rust on Top Walkway

Quarterly Topside In-Service Tank Inspection Form (Cont'd)

☐ Accumulated rain water

APITOPSIDE R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original --> Operations Complex Specialist, Maintain copy on unit.

622 TK

emd-ems-622-q.xls

Page 3 of 3

Quarterly Topside In-Service Tank Inspection Form (Cont'd)

TOPSIDE IN-SERVICE TANK INSPECTION

DATE: 5-3-14 OPERATOR: Bernacky GROUP A

TYPE OF TANK

TANK 607
DATE 5-3-14
INITIAL L.B

[ ] Tank is Out of Service ##

[X] Cone Roof
[ ] Fixed Roof Internal Floating
[ ] Geodesic Internal Floating
[ ] External Floating Roof

WORK ORDERS

[ ] WO#
[ ] WO#
[ ] Windgirder Inspection

Complete top portion only for Tanks out of service
Put an "X" in the boxes below, that apply

WINDGIRDER

[ ] Corrosion @ shell attach
[ ] Broken welds
[ ] Walking service pitting
[ ] Drain holes plugged
[ ] Handrails loose / broken

INTERNAL FLOATER

[ ] Liquid accumulation
[ ] Product leakage
[ ] Vapor Accumulation
[ ] Secondary seals OK
[ ] Secondary seals BAD

TANK ACCESSORIES

[ ] Critical alarm OK
[ ] Critical alarm BAD
[ ] Rolling ladder OK
[ ] Rolling ladder BAD
[ ] Roof legs/vent legs OK
[ ] Roof legs/vent legs BAD
[ ] Vacuum breakers IN
[ ] Vacuum breakers OUT
[ ] Gauge float in well
[ ] Gauge attached to roof

FIXED ROOF

[ ] Plates corroded/pitting
[ ] Tears/bulges/or sags
[ ] Pinhole leaks/stains
[ ] Puddles atop roof

GEODESIC DOME

[ ] Handrails loose/broken
[ ] Missing panels
[ ] Rainwater leakage
[ ] Broken seals

GAUGE HATCH

[ ] Hinge frozen
[ ] Aluminum lid broken

INSPECTION HATCH

PONTOON FLOATER

[ ] Roof drain plug IN
[ ] Roof drain plug OUT
[ ] Secondary seals OK
[ ] Secondary seals BAD
[ ] Pontoon Covers OFF

TANK GAUGING INFO

CRT = 23-0 9
Local = 23-0.6
Tape= 22-9-11

cmd-ems-607-q.xls

Page 2 of 3

Quarterly Topside In-Service Tank Inspection Form (Cont'd)

☐	Hinges frozen	☐	Pontoon Internals DRY	
☐	Latch broken off	☐	Pontoon Internals WET	H2O = 0-8-0
		☐	Accumulated rain water	

APITOPSIDE R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original --> Operations Complex Specialist, Maintain copy on unit.

1.8.1 Facility Self-Inspection (Cont'd)

1.8.1.2 Response Equipment Inspection

Facility owned response equipment is inventoried and inspected on a quarterly basis and is tested semi-annually when not used for drills, exercises, or actual spill response. Inspection logs are dated, signed, and retained for 5 years. Examples of inspection checklists +have been included in Appendix 1.8 - Inspection Checklists. Response equipment and its locations are included in Section 1.3.2 Response Equipment List and Location.

1.8.1 Facility Self-Inspection (Cont'd)

1.8.1.2 Response Equipment Inspection (Cont'd)

ON SITE SPILL RESPONSE EQUIPMENT						
Type of Equipment/Name	# of items	Location	Condition	Date of last use/test	Age of equipment	Shelf life
Skimmers/Pumps						
2" Centrifugal, Homelite (gas drive)/Unk	1	Recovery Trailer	Good	June 2010	17 Y/O	Indefinite
Diaphragm, Wilden Pump (M-15) (air) 3"/Unk	2	Storehouse	Good	Unknown	15 Y/O	Indefinite
Diaphragm, Wilden Pump (M-8) (air) 2"/Unk	3	Storehouse	Good	Unknown	10 Y/O	Indefinite
Megator, L125 (Diesel drive)/Unk	1	Recovery Trailer	Good	June 2010	17 Y/O	Indefinite
Asphalt Retrieval Box/Unk	1					
Elastec, TSD-118 (Pneum. Drum)/1994	3	Recovery Trailer	Good	June 2010	17 Y/O	Indefinite
Megator, Alpha Skimmer 2"/1994	2	Recovery Trailer	Good	June 2010	17 Y/O	Indefinite
FIREFIGHTING FOAM						
3M AFFF and Thunderfoam 1X3	37K Gal.	Fire Stations	Good	April 2012	Varies	25 years
BOOM						
Acme, O.K. Corral (ASTM-U)/	1,700 ft.	Boat docks	Good	April 2014		Indefinite
ABBCO (ASTM-U)	1,000 ft	Boom Trailer	Good	April 2014		Indefinite
ABBCO (ASTM-U)	1000 ft	Deploy Trailer	Good	April 2014		Indefinite
Marker Buoy	6	Deploy Trailer	Good	September 2009	11 Y/O	Indefinite
13# Anchor with leader chain	4	Deploy Trailer	Good	September 2009	11 Y/O	Indefinite
18# Anchor with leader chain	4	Deploy Trailer	Good	September 2009	11 Y/O	Indefinite
Anchor Post	6	Deploy Trailer	Good	September 2009	11 Y/O	Indefinite
Misc. Buoy Ropes	3	Deploy Trailer	Good	September 2009	11 Y/O	Indefinite
Towing Bridle	4					

1.8.1.2 Response Equipment Inspection (Cont'd)

PORTABLE CONTAINMENT						
Hydro-seal Pool	4	Deploy Trailer	Good	Never used	17 Y/O	Indefinite
Oil Recovery Drum (1 bbl)	1	Foam storage	Good	Never used	17 Y/O	Indefinite
Over Flow Dam Set	1	Deploy Trailer	Good	Never used	17 Y/O	Indefinite
Salvage Drum (1 bbl)	1	Foam storage	Good	Never used	17 Y/O	Indefinite
Sand	500 yds	Refinery	Good	N/A	N/A	Indefinite
265 gallon totes (empty)	5					
SORBENTS						
50' Sweeps	50 bales	Storehouse	Good	Never used	5 Y/O	Indefinite
100' Sweeps	50 bales	Storehouse	Good	Never used	5 Y/O	Indefinite
Absorbent Connecting Booms	50	Storehouse	Good	Never used	5 Y/O	Indefinite
Oil Dry Bags	20	Storehouse	Good	Never used	3 Y/O	Indefinite
HAND TOOLS						
Spill Trailers and Fire Apparatus' carry a complement of tools necessary for response purposes	Various	Foam Storage	Good			
FIREFIGHTING & PROTECTIVE EQUIPMENT						
Engine 13 2000 gpm 1000 gal. foam	1	Foam Storage	Good	June 2012	29 Y/O	30 years Per NFPA
Engine 14 2000 gpm 3000 gal. foam	1	Foam Storage	Good	August 2011	20 Y/O	30 years Per NFPA
Engine 15 3000 gpm 1000 gal. foam	1	Central Fire Station	Good	June 2012	18 Y/O	30 years Per NFPA
Engine 16 4000 gpm 1000 gal. foam	1	Central Fire Station	Good	June 2012	5 Y/O	30 years Per NFPA
Tower 1 95 ft aerial 2000 gpm 750 gal. foam	1	Central Fire Station	Good	June 2012	15 Y/O	30 years Per NFPA
3M AFFF & Thunder foam 1 x 3%		Central Fire Station				
Rescue 1 518	1	Central Fire Station	Good	June 2012	6 Y/O	Indefinite
Rescue/Hazmat (Rescue 2) 508	1	North Fire Station	Poor	September 2009	23 Y/O	Indefinite
Tanker 520 3200 gal. foam	1	North Fire Station	Poor	April 2012	39 Y/O	Indefinite
Tender 1 2,500 gal.	1	Foam Storage	Good	January 2014		Indefinite

1.8.1.2 Response Equipment Inspection (Cont'd)

FIREFIGHTING & PROTECTIVE EQUIPMENT						
Terminator Large fire monitors	2	Central Fire Station/ F.S.B	Fair	March 2007	23 Y/O	Indefinite
Fire Dept. Utility Trucks	5	Central Fire Station	Fair	June 2012	Varied	Indefinite
Gas Tester	5	Central Fire Station	Good	June 2012	3 months	Indefinite
Medic 1 Ambulance	1	Truck Garage	Good	June 2012	3 Y/O	Indefinite
Medic 2 Ambulance	1	C- Terminal	Good	June 2012	17 Y/O	Indefinite
1 hr SCBA	4	Central Fire Station	Good	June 2012	Varied	Indefinite
SBCA	20	Central and N Fire Station	Good	June 2012	Varied	Indefinite
Level A suits	10	Central Fire Station	Good	Never used	3 Y/O	No Specific Shelf life. Suits can be worn as long as they pass the annual testing
Level B suits (508)	106	Central Fire Station	Good	March 2012	4 Y/O	No Specific Shelf life. Suits can be worn as long as they pass the annual testing
Chest Waders	6	Central Fire Station	Good	July 2011	5 Y/O	Indefinite
Life Jackets	20+	Deploy Trailer	Good	September 2011	Varied	Indefinite
High Angle/ confined space rescue gear (508)	2 sets	Rescue 1 and 2	Good	June 2012	Varied	Varied depending on type of equipment.

1.8.1.2 Response Equipment Inspection (Cont'd)

BOATS						
21' Boston Whaler 100 hp motor	1	North Fire Station	Good	August 2011	18 Y/O	Indefinite
19 ft John Boat 75 hp motor	1	C-terminal	Fair	June 2008	20 Y/O	Indefinite
22 ft. Ridgecraft twin 90 hp motors	1	Central Fire Station	Good	September 2011	3 Y/O	Indefinite
Rescue One flat bottom boat 25 hp motor	1	Boat Docks	Good	September 2011	12 Y/O	Indefinite
Misc Heavy Equipment						
15 ton hydraulic crane	1	Transportation	Good	August 2009	3 Y/O	Indefinite
20 yard dump truck	1	Transportation	Good	January 2012	new	Indefinite
40 ton crane	1	Transportation	Good	2008	4 Y/O	Indefinite
50 ton crane	1	Transportation	Good	2006	6 Y/O	Indefinite
Front end loader	1	Transportation	Good	2002	10 Y/O	Indefinite
Backhoe	1	Transportation	Good	2002	10 Y/O	Indefinite
Salt Spreader	3	Transportation	Good	2002, 1999, 1995		Indefinite
Light Towers (RSC)	8	Transportation	Varies	Varies	Varies	Indefinite
Items marked with an indefinite shelf life are items that with proper care, maintenance and storage should last as long as necessary provided said care storage and maintenance is provided.						

1.8.1 Facility Self-Inspection (Cont'd)

1.8.1.3 Secondary Containment Inspection

Facility Secondary Containment systems are visually inspected daily. The Secondary Containment systems are inspected against the following items:

Dike or berm system

- Level of precipitation in dike/available capacity
- Operational status of drainage valves
- Dike or berm permeability
- Debris
- Erosion
- Permeability of the earthen floor of diked area
- Location/status of pipes, inlets, drainage beneath tanks, etc.

Secondary containment

- Cracks
- Discoloration
- Presence of spilled or leaked material (standing liquid)
- Corrosion
- Valve conditions

Retention and drainage ponds (as applicable)

- Erosion
- Available capacity
- Presence of spilled or leaked material
- Debris
- Stressed vegetation

Records of the monthly inspection are maintained in the Facility. These records are maintained by the Oil Movement Division (OMD), Asphalt Department, and Environmental Department. The inspections are documented on ground level in-service inspection forms. Current versions of these blank forms are maintained on the OMD intranet site.

1.8.1.3. Secondary Containment Inspection Log Sample (Cont'd)

Inspector_____Date _____

Inspect the secondary containment (as described in sections 1.4.1 and 1.7.2 of the response plan), checking the following:

Secondary Containment Checklist		
1. Dike or berm system A. Level of precipitation in dike/available capacity; B. Operational status of drainage valves; C. Dike or berm permeability; D. Debris; E. Erosion; F. Permeability of the earthen floor of diked area; and G. Location/status of pipes, inlets, drainage beneath tanks, etc.	2. Secondary containment A. Cracks; B. Discoloration; C. Presence of spilled or leaked material (standing liquid); D. Corrosion; and E. Valve conditions.	3. Retention and drainage ponds A. Erosion; B. Available capacity; C. Presence of spilled or leaked material; D. Debris; and E. Stressed vegetation.

Secondary Containment Area ID	Inspected (Y/N)	Observations/Comments
Additional Comments/ Observations:		

Ground Level In-Service Tank Inspection Form

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-228-M

GROUND LEVEL IN-SERVICE TANK INSPECTION

DATE _____ OPERATOR _____ GROUP _____

TANK _____ DATE _____ INITIAL _____

☐ Asset Flag
☐ EH&S Flag
☐ TAR Flag

TYPE OF TANK

☐ Cone Roof
☐ Fixed Roof Internal Floating
☐ Geodesic Internal Floating
☐ External Floating Roof
Tank is out of service ###

TANK GAUGE

CRT= _____
Local = _____

☐ Active Tank
☐ Inactive Tank
Heated Tank

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

SECONDARY CONTAINMENT

Dike/Berm System
☐ Standing liquid
Quantity (inches) _____
☐ Holes or cracks
☐ Debris
☐ Erosion
☐ Non-operational valves

Containment
☐ Holes or cracks
☐ Discoloration
☐ Presence of spilled or leaked material
☐ Corrosion
☐ Valves in poor condition

TANK SHELL

☐ Corroded welds
☐ Corroeded plates
☐ Buckles & bulges in plates
☐ Leaks from welds or plates
☐ Leaks from riveted joints

STAIRS / LADDERS

☐ Corrosion
☐ Broken welds
☐ Handrails loose
☐ Missing nuts / bolts
☐ Using scaffold

FOUNDATION

☐ Cracks in concrete
☐ Spalling of concrete
☐ Settled foundation
☐ Buried foundation

SAMPLE POINTS

☐ Valves operate freely
☐ Lines plugged
☐ Tubing crimped
☐ Hand pump is operable

PLATFORMS

☐ Corroded decking
☐ Corroded handrail
☐ Broken welds
☐ Broken angles

VALVES AND HEADERS

☐ Defective valves
☐ Packing or flange leaks

PAINT CONDITION

☐ Blistering / thinning
☐ Discolored / rusty

ROOF DRAINS

☐ Verified open
☐ Closed for leakage

INSULATION

☐ Tracing damaged
☐ Insulation damaged

STEAM COILS

☐ Valves operational
☐ Steam traps working

WORK ORDERS

☐ WO# _____
☐ WO # _____

APIGROUND R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original –> Operations Complex Specialist, Maintain copy on unit.

Ground Level In-Service Tank Inspection Form (Cont'd)

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-606-M

GROUND LEVEL IN-SERVICE TANK INSPECTION

DATE: 5/6/12 OPERATOR: Jim M MARTIN GROUP A

TANK 606
DATE 5/6/12
INITIAL JMM

TYPE OF TANK

- [X] Cone Roof
- [ ] Fixed Roof Internal Floating
- [ ] Geodesic Internal Floating
- [ ] External Floating Roof
- [ ] Tank is out of service ###

TANK GAUGE

CRT= 28-1-12/16
Local = 28.2 3/16

- [ ] Asset Flag
- [ ] EH&S Flag
- [ ] TAR Flag
- [ ] Active Tank
- [ ] Inactive Tank
- [ ] Heated Tank

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

SECONDARY CONTAINMENT

Dike/Berm System
- [ ] Standing liquid
  Quantity (inches) _____
- [ ] Holes or cracks
- [ ] Debris
- [ ] Erosion
- [ ] Non-operational valves

Containment
- [ ] Holes or cracks
- [ ] Discoloration
- [ ] Presence of spilled or leaked material
- [ ] Corrosion
- [ ] Valves in poor condition

TANK SHELL
- [ ] Corroded welds
- [ ] Corroeded plates
- [ ] Buckles & bulges in plates
- [ ] Leaks from welds or plates
- [ ] Leaks from riveted joints

STAIRS / LADDERS
- [ ] Corrosion
- [ ] Broken welds
- [ ] Handrails loose
- [ ] Missing nuts / bolts
- [ ] Using scaffold

FOUNDATION
- [ ] Cracks in concrete
- [ ] Spalling of concrete
- [ ] Settled foundation
- [ ] Buried foundation

SAMPLE POINTS
- [X] Valves operate freely
- [ ] Lines plugged
- [ ] Tubing crimped
- [X] Hand pump is operable

PLATFORMS
- [ ] Corroded decking
- [ ] Corroded handrail
- [ ] Broken welds
- [ ] Broken angles

VALVES AND HEADERS
- [ ] Defective valves
- [ ] Packing or flange leaks

PAINT CONDITION
- [ ] Blistering / thinning
- [ ] Discolored / rusty

ROOF DRAINS
- [ ] Verified open
- [ ] Closed for leakage

INSULATION
- [ ] Tracing damaged
- [ ] Insulation damaged

STEAM COILS
- [ ] Valves operational
- [ ] Steam traps working

WORK ORDERS
- [ ] WO# _____
- [ ] WO # _____

APIGROUND R-2.DOC
Revised 11/23/2011

(Submit monthly for all atmospheric tanks)
Original --> Operations Complex Specialist, Maintain copy on unit.

1.8.1 Facility Self-Inspection (Cont'd)

Ground Level In-Service Tank Inspection Form (Cont'd)

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-607-Q

GROUND LEVEL IN-SERVICE TANK INSPECTION

DATE: 5-3-14 OPERATOR: Bernacky GROUP A

TANK 607

DATE 5-3-14

INITIAL EJ

☐ Asset Flag

☐ EH&S Flag

☐ TAR Flag

TYPE OF TANK

☒ Cone Roof

☐ Fixed Roof Internal Floating

☐ Geodesic Internal Floating

☐ External Floating Roof

☐ Tank is out of service ###

TANK GAUGE

CRT= 23-0-9

Local = 23-0-6

☒ Active Tank

☐ Inactive Tank

☐ Heated Tank

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

SECONDARY CONTAINMENT

Dike/Berm System

☐ Standing liquid
Quantity (inches) _____
☐ Holes or cracks
☐ Debris
☐ Erosion
☐ Non-operational valves

Containment

☐ Holes or cracks
☐ Discoloration
☐ Presence of spilled or leaked material
☐ Corrosion
☐ Valves in poor condition

TANK SHELL

☐ Corroded welds
☐ Corroeded plates
☐ Buckles & bulges in plates
☐ Leaks from welds or plates
☐ Leaks from riveted joints

STAIRS / LADDERS

☐ Corrosion
☐ Broken welds
☐ Handrails loose
☐ Missing nuts / bolts
☐ Using scaffold

FOUNDATION

☐ Cracks in concrete
☐ Spalling of concrete
☐ Settled foundation
☐ Buried foundation

SAMPLE POINTS

☒ Valves operate freely
☐ Lines plugged
☐ Tubing crimped
☒ Hand pump is operable

PLATFORMS

☐ Corroded decking
☐ Corroded handrail
☐ Broken welds
☐ Broken angles

VALVES AND HEADERS

☐ Defective valves
☐ Packing or flange leaks

PAINT CONDITION

☐ Blistering / thinning
☒ Discolored / rusty

ROOF DRAINS

☐ Verified open
☐ Closed for leakage

omd-ems-607-q.xls

Page 1 of 3

1.8.1 Facility Self-Inspection (Cont'd)

Ground Level In-Service Tank Inspection Form (Cont'd)

INSULATION	STEAM COILS	WORK ORDERS
☐ Tracing damaged ☐ Insulation damaged	☐ Valves operational ☐ Steam traps working	☐ WO# ☐ WO #

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bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-607-Q

1.8.1 Facility Self-Inspection (Cont'd)

Ground Level In-Service Tank Inspection Form (Cont'd)

bp

BP Whiting Business Unit
Oil Movement Division

OMD Environmental Management System Record OM-EMS-622-Q

GROUND LEVEL IN-SERVICE TANK INSPECTION

DATE: 6-2-12 OPERATOR: H. Bazzi GROUP #A

TANK 622 TK	TYPE OF TANK	TANK GAUGE
DATE 6-2-12	[ ] Cone Roof	CRT= 21' 1 7/16
INITIAL HGB	[ ] Fixed Roof Internal Floating	Local = 21' 1 1/16
[ ] Asset Flag	[✓] Geodesic Internal Floating	[✓] Active Tank
[ ] EH&S Flag	[ ] External Floating Roof	[ ] Inactive Tank
[ ] TAR Flag	[ ] Tank is out of service ###	[ ] Heated Tank

Complete top portion only for Tanks out of service

Put an "X" in the boxes below, that apply

SECONDARY CONTAINMENT

Dike/Berm System
- [ ] Standing liquid
  - Quantity (inches) 8" M North Side
- [ ] Holes or cracks
- [ ] Debris
- [ ] Erosion
- [ ] Non-operational valves

Containment
- [ ] Holes or cracks
- [ ] Discoloration
- [ ] Presence of spilled or leaked material
- [ ] Corrosion
- [ ] Valves in poor condition

Pallets on North Side

TANK SHELL
- [ ] Corroded welds
- [ ] Corroeded plates
- [ ] Buckles & bulges in plates
- [ ] Leaks from welds or plates
- [ ] Leaks from riveted joints

STAIRS / LADDERS
- [ ] Corrosion
- [ ] Broken welds
- [ ] Handrails loose
- [ ] Missing nuts / bolts
- [ ] Using scaffold

FOUNDATION
- [ ] Cracks in concrete
- [ ] Spalling of concrete
- [ ] Settled foundation
- [ ] Buried foundation

SAMPLE POINTS
- [✓] Valves operate freely
- [ ] Lines plugged
- [ ] Tubing crimped
- [✓] Hand pump is operable

PLATFORMS
- [ ] Corroded decking
- [ ] Corroded handrail
- [ ] Broken welds
- [ ] Broken angles

VALVES AND HEADERS
- [ ] Defective valves
- [ ] Packing or flange leaks

PAINT CONDITION
- [ ] Blistering / thinning
- [ ] Discolored / rusty

ROOF DRAINS
- [ ] Verified open
- [ ] Closed for leakage

INSULATION

STEAM COILS

WORK ORDERS

omd-ems-622-q.xls

Reference Height 49' 10 1/2

Page 1 of 3

1.8.1 Facility Self-Inspection (Cont'd)

Ground Level In-Service Tank Inspection Form (Cont'd)

☐	Tracing damaged	☐	Valves operational	☐	WO#
☐	Insulation damaged	☐	Steam traps working	☐	WO #

APIGROUND R-2.DOC
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1.8.2 Facility Drills/Exercises

Local/Spill Management Team members, government agencies, contractors, and other resources must participate in response exercises required by Federal, state, or local regulations and as detailed in the "National Preparedness for Response Exercise Program (PREP) Guidelines." The Company will conduct announced and unannounced drills to maintain compliance, and each plan-holder must participate in at least one exercise annually. The following table lists the triennial exercise cycle for facilities (see PREP Guidelines for full details).

Total Number	Frequency	Triennial Cycle Exercise Type/Description
12	Quarterly	QI Notification Exercise
6	Semi-Annual	Equipment Deployment Exercise (Facility-owned equipment)
3	Annual	Response Team Tabletop Exercise
3	Annual	Equipment Deployment Exercise (facilities with OSRO-owned equipment)
3	Annual	Unannounced Exercise (not a separate exercise) Actual response can be considered as an unannounced exercise.

Note: All response plan components must be exercised at least once in the Cycle.

Quarterly QI Notification Exercise
Scope: Exercise communication between facility personnel and the QI(s) and/or designated alternate(s). At least once each year, one of the notification exercises should be conducted during non-business hours.

Objective: Contact must be made with a QI or designated alternate, as identified in the Plan.

General: All personnel receiving notification shall respond to the notification and verify their receipt of the notification. Personnel who do not respond should be contacted to determine whether or not they received the notification.

Semi-Annual Equipment Deployment Exercise (for facilities with equipment)
Scope: Deploy and operate facility response equipment identified in the response plan. The equipment to be deployed must include the following, at a minimum:

- 1,000 feet of representative type of boom
- one of each type of skimming system; or
- the equipment necessary to respond to the facility's Small/Average Most Probable Discharge (AMPD), whichever is less

Objective: Demonstrate personnel's ability to deploy and operate response equipment. Ensure that the response equipment is in proper working order.

General: The Facility may take credit for actual equipment deployment to a spill, or for training sessions, as long as the activities are properly documented.

Annual Equipment Deployment Exercise (OSRO-owned equipment)
Review: The Facility should verify that the OSRO(s) has completed the equipment deployment exercise requirements and has maintained the necessary documentation. The OSRO may deploy equipment at any location, so long as it occurs within an operating environment similar to the Facility's.

Scope: OSRO must deploy and operate response equipment identified in the response plan. The equipment to be deployed must include the following, at a minimum:

- 1,000 feet of representative type of boom
- One of each type of skimming system

Objective: OSRO must demonstrate the ability of the personnel (OSRO) to deploy and operate response equipment (OSRO). Ensure that the response equipment (OSRO) is in proper working order.

1.8.2 Facility Drills/Exercises (Cont'd)

Annual Response Team Tabletop Exercise
Scope: Exercise the response team's organization, communication, and decision- making in managing a spill response. Each team identified within the plan must conduct an annual Response Team Tabletop Exercise.

Objective: Exercise the response team in a review of the following:

- Knowledge of the Plan
- Proper notifications
- Communications system
- Ability to access an OSRO
- Coordination of internal spill response personnel
- Review of the transition from a local team to a regional team
- Ability to effectively coordinate response activity with the National Response System (NRS) Infrastructure
- Ability to access information in the Area Contingency Plan

General: A minimum of one Response Team Tabletop Exercise in a triennial cycle will involve a Worst-Case Discharge scenario.

Government-Initiated Unannounced Exercise
Scope: The Facility is required to participate in only one unannounced exercise every 36 months from the date of the last government-initiated unannounced exercise, if successfully completed (the facility may be required to participate in another exercise if not successfully completed, at the discretion of the regulatory agency).

- Exercises are limited to approximately four hours in duration.
- Exercises would involve response to a Small/Average Most Probable Discharge scenario.
- Exercise would involve equipment deployment to respond to a spill scenario.

Objective: Conduct proper notifications to respond to unannounced scenario of a Small/Average Most Provable Discharge.

Demonstrate that the response is timely, conducted with an adequate amount of equipment for the scenario, and properly conducted.

General: This exercise is only applicable to those facilities which are randomly chosen.

Area Exercises
Objective: The purpose of the area exercise is to exercise the entire response community in a particular area. An area is defined as "that geographic area for which a separate and distinct Area Contingency Plan has been prepared, as described in OPA 90." The response community includes the federal, state, and local government and industry. The area exercises are designed to exercise the government and industry interface for spill response.

General: The goal is to ensure that all areas of the country are exercised triennially. All of the area exercises will be developed by an exercise design team. The exercise design team is comprised of representatives from the federal, state, and local government and industry. A lead plan holder would lead each area exercise. The lead plan holder is the organization (government or industry) that holds the primary plan that is exercised in the area exercise. The lead plan holder would have the final word on designing the scope and scenario of the exercise.

Exercise Documentation
All exercises should be documented and maintained at the facility; documentation should specify:

- The type of exercise
- Date and time of the exercise
- A description of the exercise
- The objectives met in the exercise
- The components of the response plan exercised; and
- Lessons learned

1.8.2 Facility Drills/Exercises (Con't'd)

Exercise documentation should be kept on file at the Facility for the required length of time depending on the regulating agency (three (3) years for the U.S. Coast Guard and five (5) years for the U.S. Environmental Protection Agency).